



University  
of Glasgow

# POSTGRADUATE PROSPECTUS 2019

**WORLD  
CHANGERS  
WELCOME**

THE SUNDAY TIMES  
GOOD  
UNIVERSITY  
GUIDE  
2018  
SCOTTISH  
UNIVERSITY  
OF THE YEAR



# VISIT US

**Thursday 15 November 2018**

An invaluable opportunity to find out more about your academic areas of interest, meet staff and current students, and gather information and advice on important topics such as admissions, finance and accommodation.

We have postgraduate opportunities in:

- arts and humanities
- science and engineering
- social sciences, business, education, law and interdisciplinary studies
- medical, veterinary and life sciences.

For information and registration, please see [glasgow.ac.uk/pgopenday](http://glasgow.ac.uk/pgopenday)

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**4th oldest**  
English-speaking  
university in  
the world

One of the  
**top 100**  
universities in  
the world

**Russell  
Group**  
A member of the Russell  
Group of research-  
intensive UK universities



**Joint 69th**  
QS World  
University  
Rankings 2019

**Joint 80th**  
Times Higher  
World University  
Rankings 2018



# WHAT CAN I STUDY?

## Accounting & Finance 44

- Corporate Governance & Accountability
- Financial Modelling
- International Accounting & Financial Management
- International Corporate Finance & Banking
- International Finance
- International Financial Analysis

*Research opportunities*

## Ancestral Studies 48

- Ancestral Studies

*Research opportunities*

## Archaeology 49

- Celtic & Viking Archaeology
- Conflict Archaeology & Heritage
- Material Culture & Artefact Studies

*Research opportunities*

## Biodiversity, Animal Health & Comparative Medicine 52

- Animal Welfare Science, Ethics & Law
- Conservation Management of African Ecosystems
- Ecology & Environmental Biology
- Epidemiology of Infectious Diseases & Antimicrobial Resistance
- Quantitative Methods in Biodiversity, Conservation & Epidemiology

*Research opportunities*

## Cancer Sciences 56

- Cancer Sciences

*Research opportunities*

## Cardiovascular & Medical Sciences 58

- Cardiovascular Sciences
- Clinical Pharmacology
- Clinical Trials & Stratified Medicine
- Diabetes
- Sport and Exercise Science & Medicine (and online option)
- Stratified Medicine & Pharmacological Innovation
- Translational Medicine

*Research opportunities*

## Celtic & Gaelic 63

- Celtic Studies (MLitt)
- Celtic Studies (MRes)

*Research opportunities*

## Central & East European Studies 65

- Central & East European, Russian & Eurasian Studies
- Russian, East European & Eurasian Studies
- Russian Language
- Russian for Social Scientists

*Research opportunities*

## Chemistry 68

- Chemistry
- Chemistry with Medicinal Chemistry

*Research opportunities*

## Classics 70

- Ancient Cultures
- Classics

*Research opportunities*

## Computing Science 72

- Computing Science
- Data Science
- Information Security
- Information Technology
- IT Cyber Security
- Software Development

*Research opportunities*

## Creative Writing 76

- Creative Writing (and online option)

*Research opportunities*

## Economic & Social History 78

- Global Economy
- Global Markets, Local Creativities

*Research opportunities*

## Economics 80

- Asset Pricing & Investment
- Banking & Financial Services
- Development Studies
- Economic Development
- Economics
- Economics, Banking & Finance
- Environment & Sustainable Development
- Finance & Economic Development
- Financial Economics
- Financial Forecasting & Investment
- Financial Risk Management
- International Banking & Finance
- Investment Banking & Finance
- Investment Fund Management
- Quantitative Finance

*Research opportunities*

## Education 89

- Academic Practice
- Adult Education, Community Development & Youth Work
- Adult Education for Social Change
- Advanced Educational Leadership (online)
- Assessment in Education (online)
- Childhood Practice
- Children's Literature & Literacies
- Children's Literature, Media & Culture
- Education (online)
- Education (Primary/Secondary)
- Education, Public Policy & Equity
- Educational Studies
- Educational Studies (Adult Education, Community Development & Youth Studies)
- Enhanced Practice in Education (Dumfries)
- Inclusive Education: Research, Policy & Practice (and online option)
- In Headship
- Into Headship
- Learning & Teaching in Higher Education (online)
- Middle Leadership & Management in Schools
- Museum Education (and online option)
- Professional Learning & Enquiry
- Professional Practice with PGDE
- Religious Education by Distance Learning (online)
- Teacher Leadership & Learning
- Teaching Adults
- TESOL

*Research opportunities*

## Engineering 105

- Aerospace Engineering
- Aerospace Engineering & Management
- Biomedical Engineering
- Civil Engineering
- Civil Engineering & Management
- Computer Systems Engineering
- Electronics & Electrical Engineering
- Electronics & Electrical Engineering & Management
- Electronics Manufacturing
- Mechanical Engineering
- Mechanical Engineering & Management
- Mechatronics
- Nanoscience & Nanotechnology
- Product Design Engineering
- Structural Engineering
- Sustainable Energy

*Research opportunities*

## English & Scottish Literature & Language 114

- Applied Linguistics
- English Language & Linguistics
- English Literature
- English Literature: Fantasy
- English Literature: Medieval & Early Modern Literature & Culture
- English Literature: Modernities – Literature, Culture, Theory
- English Literature: Romantic Worlds
- English Literature: Victorian Literature
- Scottish Literature
- Speech, Language & Sociolinguistics

*Research opportunities*

## Environment, Sustainability & Tourism 120

- Environment, Culture & Communication (Dumfries)
- Environmental Change & Society (Dumfries)
- Environment & Society: Transformation & Sustainability (Dumfries)
- Tourism Development & Culture (Dumfries)
- Tourism, Heritage & Development (Dumfries)
- Tourism, Heritage & Sustainability (Dumfries)

*Research opportunities*

## Film & Television Studies 124

- Film & Television Studies
- Film Curation
- Filmmaking & Media Arts

*Research opportunities*

## Geographical & Earth Sciences 127

- Geoinformation Technology & Cartography
- Geomatics & Management
- Geospatial & Mapping Sciences
- Human Geography: Spaces, Politics, Ecologies
- Land & Hydrographic Surveying
- Sustainable Water Environments

*Research opportunities*

## Health & Wellbeing 131

- Global Health
- Global Mental Health (and online option)
- Health Technology Assessment (online)
- Population Health Sciences (online)
- Primary Care (online)
- Public Health (and online option)
- Master of Public Health (Data Science)
- Master of Public Health (Epidemiology)
- Master of Public Health (Health Economics)
- Master of Public Health (Health Promotion)

*Research opportunities*

**History 138**

- History
- Early Modern History
- Gender History
- History (with an emphasis on the History of Medicine)
- Medieval History
- Modern History
- Scottish History

*Research opportunities*

**History of Art 143**

- Art History
- Art History: Art: Politics: Transgression: 20th Century Avant-Gardes
- Art History: Collecting & Provenance in an International Context
- Art History: Dress & Textile Histories
- Art History: Inventing Modern Art, 1768–1918
- Art History: Modern Material Artefacts
- Art History: Technical Art History, Making & Meaning
- Art History: The Renaissance in Northern Europe & Italy
- Curatorial Practice (Contemporary Art)
- Textile Conservation

*Research opportunities*

**Infection, Immunity & Inflammation 150**

- Immunology & Inflammatory Disease
- Infection Biology (with specialisms)

*Research opportunities*

**Information Studies 154**

- Information Management & Preservation
- Museum Studies

*Research opportunities*

**Law 156**

- Corporate & Financial Law
- Diploma in Professional Legal Practice
- Intellectual Property & the Digital Economy
- International Commercial Law
- International Competition Law & Policy
- International Economic Law
- International Law
- International Law & Security
- Law
- Socio-Legal Studies

*Research opportunities*

**Life Sciences 163**

- Bioinformatics
- Biomedical Sciences
- Biomedical Sciences (Integrative Mammalian Biology)
- Human Anatomy
- Medical Visualisation & Human Anatomy

*Research opportunities*

**Management 167**

- Finance & Management
- International Business & Entrepreneurship
- International Human Resource Management & Development
- International Management & Design Innovation
- International Strategic Marketing
- Management
- Management & Sustainable Tourism (Glasgow/Dumfries)
- Management with Enterprise & Business Growth
- Management with Human Resources
- Management with International Finance
- MBA (Master of Business Administration)

*Research opportunities*

**Mathematics & Statistics 174**

- Advanced Statistics
- Biostatistics
- Data Analytics (and online option)
- Environmental Statistics
- Mathematics / Applied Mathematics
- Statistics

*Research opportunities*

**Media & Cultural Policy 179**

- Creative Industries & Cultural Policy
- Media Management

*Research opportunities*

**Medicine, Dentistry & Nursing 181**

- Advanced Lymphoedema Management
- Advanced Nursing Science
- Advanced Practice in Health Care
- Child Health
- Clinical Genetics
- Clinical Nutrition
- Critical Care
- Endodontics
- Forensic Toxicology
- Genetic & Genomic Counselling (with Work Placement)
- Healthcare Chaplaincy
- Health-Professions Education / Health-Professions Education (with Research) (online)
- Human Nutrition
- Leadership in Health & Social Care (online)
- Medical Genetics & Genomics
- Medical Physics
- Molecular Pathology
- Oral & Maxillofacial Surgery
- Oral Sciences
- Orthodontics
- Sports Nutrition

*Research opportunities*

**Modern Languages & Translation Studies 193**

- Comparative Literature
- Translation Studies

*Research opportunities*

**Molecular, Cell & Systems Biology 195**

- Biotechnology
- Biotechnology & Management
- Food Security
- Stem Cell Engineering for Regenerative Medicine

*Research opportunities*

**Music 198**

- Composition & Creative Practice
- Historically Informed Performance Practice (in conjunction with the Royal Conservatoire of Scotland)
- Music Industries
- Musicology
- Sound Design & Audiovisual Practice

*Research opportunities*

**Neuroscience & Psychology 202**

- Applied Neuropsychology
- Clinical Neuropsychology
- Clinical Psychology
- Psychological Science (conversion)
- Psychological Studies (conversion)
- Psychology (conversion) (online)
- Research Methods of Psychological Science

*Research opportunities*

**Philosophy 207**

- Philosophy

*Research opportunities*

**Physics & Astronomy 209**

- Astrophysics
- Physics: Advanced Materials
- Physics: Energy & the Environment
- Physics: Nuclear Technology
- Quantum Technology
- Sensor & Imaging Systems
- Theoretical Physics

*Research opportunities*

**Politics 214**

- Chinese Studies
- Global Security
- Human Rights & International Politics
- International Relations
- Political Communication
- Security, Intelligence & Strategic Studies
- South European Studies

*Research opportunities*

**Sociology 221**

- Antiquities Trafficking & Art Crime (online)
- Criminology
- Criminology & Criminal Justice
- Equality & Human Rights
- Global Migrations & Social Justice
- Media, Communications & International Journalism
- Sociology
- Sociology & Research Methods
- Transnational Crime, Justice & Security

*Research opportunities*

**Theatre Studies 228**

- Playwriting & Dramaturgy
- Theatre & Performance Practices
- Theatre Studies

*Research opportunities*

**Theology & Religious Studies 231**

- Religion, Literature & Culture
- Theology Through Creative Practice

*Research opportunities*

**Urban Studies 233**

- City Planning
- City Planning & Real Estate Development
- Housing Studies
- International Real Estate & Management
- Public & Urban Policy
- Public Policy & Management
- Public Policy Research
- Real Estate
- Spatial Planning
- Urban Analytics
- Urban Research
- Urban Studies
- Urban Transport

*Research opportunities*

**Veterinary Medicine 241**

- Advanced Practice in Veterinary Nursing (online)
- One Health (online)
- Wildlife & Livestock Management (online)

*Research opportunities*

**War Studies 244**

- War Studies

*Research opportunities*



Established in  
**1451**

Join a research  
community of  
**3,400**  
research and  
teaching staff  
across 4 colleges

**28,000**  
students  
from over  
**140**  
countries

**Over  
300**  
taught programmes

**81%**  
of our research  
judged to be  
internationally  
excellent

(REF 2014)

**2nd in  
Scotland**  
for research  
excellence

(REF 2014)

Glasgow  
is the world's  
friendliest  
**city**

(Rough Guides)

**95.9%**  
of students  
in employment  
or further study  
6 months after  
graduation

(DLHE 2016/17)

**Dedicated**  
postgraduate club  
and library  
study space





# CHANGING THE WORLD SINCE 1451

Our people have always been at the forefront of innovation and our past achievements inspire our current world changers.

**1451**

**THE UNIVERSITY**  
IS ESTABLISHED

**1776**

**ADAM SMITH**  
PUBLISHES *THE WEALTH OF NATIONS*

**1881**

**LORD KELVIN**  
LIGHTS A HOUSE ENTIRELY  
WITH ELECTRICITY

**1896**

**JOHN MACINTYRE**  
OPENS THE WORLD'S  
FIRST X-RAY DEPARTMENT

**1958**

**IAN DONALD**  
SHOWS US THE FIRST  
ULTRASOUND IMAGE OF  
A FOETUS

**1968**

**ROBERT EDWARDS**  
ACHIEVES FIRST  
FERTILISATION OF A HUMAN  
EGG IN THE LABORATORY

**2014**

**NICOLA STURGEON**  
BECOMES FIRST  
FEMALE FIRST MINISTER  
OF SCOTLAND

**2017**

**THE HISTORICAL  
THESAURUS OF ENGLISH**  
WINS QUEEN'S  
ANNIVERSARY PRIZE

**1763**

**JAMES WATT**  
BEGINS WORK LEADING  
TO THE DEVELOPMENT  
OF THE STEAM ENGINE

**1867**

**JOSEPH LISTER**  
INTRODUCES ANTISEPTIC  
IN SURGERY

**1894**

**MARION GILCHRIST**  
IS THE FIRST WOMAN IN  
SCOTLAND TO GRADUATE  
IN MEDICINE

**1926**

**JOHN LOGIE BAIRD**  
DEMONSTRATES  
THE FIRST WORKING  
TELEVISION

**1967**

**JOCELYN BELL BURNELL**  
DISCOVERS RADIO  
PULSARS

**2004**

**EDWIN MORGAN**  
BECOMES SCOTLAND'S  
FIRST NATIONAL POET

**2015**

**SHEILA ROWAN**  
LEADS THE GLASGOW  
TEAM THAT FIRST DETECTS  
GRAVITATIONAL WAVES



# WORLD CHANGING CAMPUS

We're creating a campus to inspire the next generation of world changers. We acquired a 14-acre site beside our main campus in Glasgow and now we're developing our estate with a planned total investment of £1 billion. Our flagship Learning and Teaching Hub is scheduled to open in 2019.

## The future of learning

Over the next ten years, our major programme of investment will herald the most significant development of our estate in over a century. We're entering a momentous chapter in our history that will transform the teaching, learning and research spaces we can offer you.

## New hubs for learning, teaching and research

Guided by input from our current students, our new Learning and Teaching Hub will offer state-of-the-art teaching facilities and a range of individual and group study/social spaces, all within an environment designed to support the needs of the modern student. The Hub will benefit from the latest enhancements in technological infrastructure and connectivity, facilitating active learning and technology-enabled teaching.

In addition to supporting student learning, the Hub will offer flexible spaces for clubs and societies, conferences and events, becoming the student-focused heart of the campus.

## The Learning and Teaching Hub will have

- capacity for 3,000 students
- a suite of teaching facilities including a 500-seat lecture theatre
- student kitchens
- café facilities offering an international menu
- flexible study and social learning space.

Close to the Learning & Teaching Hub, we're creating a Research Hub that will provide an environment to stimulate and enable world-changing research. See page 12 for more information.

## The Hunterian at Kelvin Hall

The Hunterian is one of the world's leading university museums. The original collection, bequeathed by Dr William Hunter in 1783, has grown over 200 years to include more than 1.5 million objects.

In partnership with the city of Glasgow and the National Library of Scotland, we have transformed the Kelvin Hall into a centre of excellence for research, teaching and public engagement, enabling us to offer:

- a state-of-the-art Hunterian Collections Study Centre, supported by a conservation studio, search rooms, conference suite and teaching labs
- a digital portal, Open Collections, that can help forge new academic and educational practices.

## Taught Masters programmes

Masters programmes embedded in The Hunterian's collections and developed in collaboration with cultural and creative employers have been designed to give you the skills you need for the workplace or further research.

Postgraduate internship and work placement opportunities are available through our MUSE (Museum University Student Educators) and Hunterian Associates Programmes. Many of our students progress to PhD level or to work in the museum and cultural sector.

## Your study choices include:

- Ancestral Studies (page 48)
- Ancient Cultures (page 70)
- Art History (page 143)
- Art History: Collecting & Provenance in an International Context (page 144)
- Art History: Dress & Textile Histories (page 145)
- Art History: Modern Material Artefacts (page 146)
- Art History: Technical Art History, Making & Meaning (page 146)
- Creative Industries & Cultural Policy (page 179)
- Curatorial Practice (Contemporary Art) (page 147)
- Film Curation (page 125)
- Material Culture & Artefact Studies (page 50)
- Media Management (page 180)
- Museum Education (page 100)
- Museum Studies (page 155)
- Textile Conservation (page 148)

For more information on our new campus developments, see [glasgow.ac.uk/bigbuild](http://glasgow.ac.uk/bigbuild)





# WORLD CHANGING RESEARCH

Glasgow is a place that inspires ambitious people to succeed. A place where inquiring minds can develop their ideas. A place where people make discoveries that change the world.

We are a research-led university. Our broad, crossdisciplinary areas of research excellence have attracted major investment: financial and intellectual. They bring together inspiring researchers to address grand challenges that have impact on both a national and international scale, from chronic disease to infectious disease, social justice to sensor systems, and from cultural life to artificial life.

#### Areas of strength

It takes a blend of perspectives to find new ways of making progress. Glasgow has exceptional expertise in a number of areas.

- **Addressing inequalities**  
– working collaboratively to understand and address the processes that generate inequalities and their profound effects on individuals, communities and populations across the world.
- **Cultural & creative economies**  
– understanding the past, connecting policymakers and the public with their heritage, supporting the global cultural economy, and shaping the digital future.

- **Future life** – integrating innovators from complex chemical systems, biomaterials and stem cell engineering, neuroscience, psychology and medical technologies in order to improve our world.

- **One health** – improving human and animal health, leading research in zoonotic diseases, and investigating the interface between non-communicable and infectious diseases.

- **Precision medicine & chronic diseases** – using advanced genomic, imaging and information technologies to generate tailored treatments for heart disease, cancer, arthritis and stroke.

- **The nano and quantum world** – from studying and controlling particles of matter and light at the smallest possible scale in order to understand the building blocks of our world, to opening new windows to the universe through the detection of gravitational waves.

Find out more: [glasgow.ac.uk/research/beacons](https://glasgow.ac.uk/research/beacons)

#### Investing in facilities

At Glasgow we know that to tackle global challenges we need to think big, be bold and work together. Our £1bn campus development plan includes the creation of a new Research Hub.

The Research Hub will house 600 academics, postdoctoral researchers and PhD students from across the University in a £102m creative and inspiring environment which will attract, stimulate and enable world-changing research. Designed in collaboration with our researchers, the new research space will allow “free movement” between different disciplines, enabling the sharing of ideas and knowledge.

#### World-class researchers

The most recent Research Excellence Framework 2014 – an expert, independent review of research quality across UK institutions – recognises Glasgow's broad-based excellence, placing the University 12th overall in the UK for research power and rating 81% of research as either “internationally excellent” or “world-leading”.

[glasgow.ac.uk/research](https://glasgow.ac.uk/research)



# SUPPORT ALONG THE WAY

At Glasgow we're committed to connecting you with the right resources, from dedicated teaching staff to an excellent library with extended opening hours.

## University Library

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

- 12 wi-fi enabled floors
- Dedicated postgraduate study space
- Family study lounge
- 2.5 million books and journals
- 800,000+ e-books and e-journals
- Individual group and study spaces and hundreds of PCs
- Café providing a relaxed learning and study space.

## Archives and Special Collections

We hold rare books, manuscripts and early photographs as well as official records documenting the history of the University since 1451 and the histories of Scottish businesses since the late 1700s.

- 200,000+ manuscript items
- Around 200,000 printed works, including over 1,000 printed before 1501.

For more information, see [glasgow.ac.uk/library](http://glasgow.ac.uk/library) or follow us on social media.

## The Students' Representative Council

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

For more details, see [glasgowstudent.net](http://glasgowstudent.net)

## Student Services

Our Student Services Enquiry Team is here to help you make the most of your time at Glasgow. We can help with the following:

- The registration and enrolment process
- Information, guidance and resolution on financial enquiries and financial aid options
- Assistance and production of academic documents (certifying letters, HEAR and references) and student ID cards
- Student record (MyCampus) enquiries
- Appointment referral and bookings with support services
- Guidance and information on accessing and using Student Services resources
- Support with welfare and pastoral issues.

For a full list of all our student services, see [glasgow.ac.uk/students](http://glasgow.ac.uk/students)

## Researcher development

We offer personal and professional development opportunities to support you in your research journey and to enable you to become a leader in your field.

Training programmes provided by our graduate schools can help you to:

- manage your time and your research
- develop presentation, leadership, public engagement and enterprise skills
- participate in collaborative programmes locally, regionally and nationally

- develop skills in conference organisation and academic publication.

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

## Ask a Student

Contact our Ask a Student service to be put in touch with current students who provide impartial information on student life at Glasgow.

Send in your questions at [glasgow.ac.uk/askastudent](http://glasgow.ac.uk/askastudent)

## Graduate schools

Our graduate schools support postgraduate students in each of our four colleges. Being part of one of our graduate school communities will be of huge advantage to you during your studies with us and beyond. Each graduate school offers a number of benefits including:

- a supportive environment for postgraduate study and research within the college
- a diverse programme of activities which will ensure you feel part of the wider research community
- the opportunity to engage with industry partners through training, placements and events.

For more information, see:

[glasgow.ac.uk/arts/graduateschool](http://glasgow.ac.uk/arts/graduateschool)

[glasgow.ac.uk/mvls/graduateschool](http://glasgow.ac.uk/mvls/graduateschool)

[glasgow.ac.uk/scienceengineering/graduateschool](http://glasgow.ac.uk/scienceengineering/graduateschool)

[glasgow.ac.uk/socialsciences/graduateschool](http://glasgow.ac.uk/socialsciences/graduateschool)



## Academic Development Service (LEADS)

Our LEADS advisers can help you develop your academic skills through workshops and one-to-one consultations on essay writing and exam preparation. For more information, see [glasgow.ac.uk/leads](http://glasgow.ac.uk/leads)





# YOUR FUTURE

We want you to be a success, both now and in the future. We can help you build your skills, make relevant connections with academic and industry experts and prepare for your chosen career. At Glasgow we understand the importance of creating a world-class environment where you can feel inspired.

The Careers Service is here to help you with professional careers advice, coaching, resources and support, both in person and online. We can help you find experience and give advice on getting your dream job.

#### Build your career

Our Careers Service can offer you:

- one-to-one support from professionally trained managers
- access to thousands of potential employers for work experience, internships and jobs
- training and coaching in job-hunting techniques
- help to build your CV and job applications
- opportunities to meet global recruiters on campus
- links to postgraduate study in the UK and overseas
- an online career management system that alerts you to jobs relevant to your career interests.

#### Inspiring events

- We provide a comprehensive, engaging and creative suite of services to assist you, including five large-scale recruitment fairs which focus on a range of sector-specific and national recruitment areas.

- Beyond the traditional careers fairs and general advice, we strive to offer truly innovative and imaginative support based on feedback. This has resulted in the introduction of initiatives including the First Tuesday Club, a series of unique career events designed to inspire you in your career decisions.
- We also host a broad range of employers on campus for presentations and skills sessions.

#### Careers Alumni Network

You can benefit from the experience of an extensive network of 140,000 alumni spanning over 180 countries, even before you graduate. Our Careers Alumni Network offers you the chance to interact with our alumni both virtually and in person, providing networking opportunities and access to first-hand information on where a degree from Glasgow can take you.

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

#### Internship Hub

The Careers Service also operates the Internship Hub. Delivered exclusively to Glasgow students,

the hub is responsible for sourcing a diverse range of internships, and supporting students before, during and after gaining an internship.

The Internship Hub facilitates around 400 opportunities each academic year, for students at all levels of study. These include:

- hundreds of summer internships with start-up businesses, multinational organisations, and everyone in between
- over 100 on-campus internships working anywhere from research institutes and schools to University Services
- part-time roles during term time with local companies that fit in with your studies.

#### Postgraduate research students

We understand that our postgraduate research students may have different requirements from our taught students and we consequently offer a specialist Careers Manager for research students and staff, whatever your area of study.

#### Find out more

For more information on the Careers Service, see [glasgow.ac.uk/careers](http://glasgow.ac.uk/careers)





# ONLINE LEARNING

Online learning at the University of Glasgow allows you to benefit from our outstanding educational experience and achieve a high-quality degree from a world-class University while studying in a location convenient for you.

Studying online offers you flexibility to your learning: you can study at a time and location convenient for you, allowing you to fit your studies in around your personal and professional commitments.

Our online credit-bearing programmes offer the same excellent teaching and assessment standards as their campus-based equivalents – and they lead to the same qualifications, awarded by the University of Glasgow.

#### Support for your studies

Great emphasis is placed on making sure you feel well supported in your learning and that you have good interactions with everyone on the programme. All you need to participate in our online programmes is a computer and internet access. You do not have to have experience of studying online as you will be guided through how to access and use all of our online resources.

#### What to expect

As an online student at the University of Glasgow you will become part of a global community of learners. You will connect with your fellow students and tutors through our virtual learning environment, where you will have access to a multitude of learning resources including; recorded lectures, live seminars, videos, interactive quizzes, journal articles, electronic books and other web resources.

For the majority of programmes you can complete the degree entirely online. Please note that some of the online programmes may require students to attend study evenings/weekends in Glasgow, so please refer to individual programme pages.

Following completion of your programme, you'll be invited to campus for your graduation ceremony along with our on-campus students.

#### Programmes offered online

We currently offer online study options on the following taught postgraduate programmes:

- Advanced Educational Leadership (page 91)
- Advanced Practice in Veterinary Nursing (page 241)
- Antiquities Trafficking & Art Crime (page 221)
- Assessment in Education (page 91)
- Creative Writing (page 77)
- Data Analytics (page 176)
- Education (page 93)
- Global Mental Health (page 132)
- Health Technology Assessment (page 133)
- Health-Professions Education/Health-Professions Education with Research (page 187)
- Inclusive Education: Research, Policy & Practice (page 97)
- Leadership in Health & Social Care (page 188)
- Learning & Teaching in Higher Education (page 99)
- Museum Education (page 100)

- One Health (page 242)
- Population Health Sciences (page 133)
- Primary Care (page 134)
- Psychology (conversion) (page 205)
- Public Health (page 135)
- Religious Education by Distance Learning (page 102)
- Sport and Exercise Science & Medicine (page 61)
- Wildlife & Livestock Management (page 242)

You can find out more about our online programmes at [glasgow.ac.uk/onlineprogrammes](https://glasgow.ac.uk/onlineprogrammes)

#### MOOCs at Glasgow

A MOOC (massive open online course) is a free non-credit bearing programme which is designed to be studied online by a large number of participants.

MOOCs not only include resources such as video and texts but also provide interactive discussion areas that help encourage an online community.

The University of Glasgow is currently offering MOOCs via the FutureLearn platform. Previous MOOCs have included Antiquities Trafficking and Art Crime; Working Supportively with Refugees: Principles, Skills and Perspectives; Introduction to Critical Care Medicine and Functional Programming in Haskell: Supercharge your Coding.

For an up-to-date list of MOOCs, see [glasgow.ac.uk/study/mooc](https://glasgow.ac.uk/study/mooc)



# YOUR GLASGOW HOME

Living in residences is a great way to make new friends and settle quickly into university life. Accommodation Services are here to help you find a suitable place to live and, providing you've applied for residence and met the conditions of your offer of study before 22 August, we guarantee a place in our university residences.

## Am I eligible?

Most new full-time students, including international students, are guaranteed accommodation (subject to our admissions policy): see [glasgow.ac.uk/accommodation](https://glasgow.ac.uk/accommodation)

## How much does it cost?

Fees range from £119.63 per week for a single room in a self-catered residence to £156.59 per week for a single en-suite room in a self-catered residence. For up-to-date prices for all our residences, see [glasgow.ac.uk/postgraduate/accommodation/fees](https://glasgow.ac.uk/postgraduate/accommodation/fees)

## Where can I live?

You have options in four residences, located between a two-minute and a 25-minute walk from our main Gilmorehill campus.

Benefits include:

- dedicated residences for postgraduate students only
- an excellent way to make new friends and the opportunity to share accommodation with other University of Glasgow students

- round-the-clock access to trained University Living Support staff
- membership of the University's sport facilities included in your rent (see page 22)
- 39 or 52 week contracts available
- group insurance cover for your belongings
- 24/7 internet access incorporating wi-fi in all rooms.

You can compare the facilities online at: [glasgow.ac.uk/postgraduate/accommodation](https://glasgow.ac.uk/postgraduate/accommodation)

## How do I apply?

As soon as you've accepted your conditional or unconditional offer of study, you can apply online: [glasgow.ac.uk/postgraduate/accommodation/apply](https://glasgow.ac.uk/postgraduate/accommodation/apply)

## Families and couples

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

## If you have a disability

Please contact one of our Student Disability Advisers as soon as you can to discuss any special requirements you may have. Tel: +44 (0)141 330 4067, email: [karen.morton@glasgow.ac.uk](mailto:karen.morton@glasgow.ac.uk)

## Other options

If you'd prefer to find accommodation through a private landlord, we can offer advice and help. Register online to search our private accommodation database at [www.glasgowpad.org](https://www.glasgowpad.org)

The Students' Representative Council is also on hand to offer advice on looking for a private rental. You can find out more, including its handy guide to flat hunting, at [glasgowstudent.net/advice/accommodation](https://glasgowstudent.net/advice/accommodation)

## Contact us

[glasgow.ac.uk/accommodation](https://glasgow.ac.uk/accommodation)  
Tel: +44 (0)141 330 4743  
Email: [accom@glasgow.ac.uk](mailto:accom@glasgow.ac.uk)

You can also find out more at UofG Living: [uofgliving.co.uk](https://uofgliving.co.uk)





# LIFE BEYOND THE BOOKS

Becoming a member of our sports facilities, University unions, council, clubs or media can be a great way to discover what you're good at, pursue your passions, meet like-minded people and boost your employability.

## Be active

At University of Glasgow Sport, we know how much staying fit and active can help your studies. That's why our programmes are designed with you in mind and are flexible enough to fit around your schedule.

Our bumper memberships are bursting with possibilities whether you're completely new to exercise and need some help and advice, or are looking to enhance your fitness levels. Our facilities and services include:

- access to both Stevenson Building and Garscube Sports Complex
- over 100 fitness classes every week
- Revolve indoor cycling studio – one of Glasgow's best indoor cycling experiences
- Pulse cardio and conditioning gym with fully interactive equipment
- Powerplay, Scotland's premier conditioning facility (includes 12 Olympic tracks and platforms, monkey bars, rebound wall and so much more)
- 25m swimming pool
- sauna and steam room
- drop-in sport sessions
- 50 sports clubs

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

## Choose from two unions

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

For more information, see [guu.co.uk](http://guu.co.uk) or find us on social media under Glasgow University Union.

Queen Margaret Union (QMU) hosts upcoming local bands and big-name acts with 900+ in attendance as well as a variety of events from quizzes to open mic nights, karaoke and much more. The QMU food outlets provide options ranging from basic student food to cooked-to-order meals and Wicked coffee.

For more information, see [qmunion.org.uk](http://qmunion.org.uk) or find us on social media under Queen Margaret Union.

## Get involved

The University's student media has a fantastic reputation. You can join teams that produce *Glasgow University Guardian*, *Glasgow University Magazine (GUM)*, Subcity Radio and Glasgow University Student Television (GUST).

Our Students' Representative Council (SRC) voices your opinions to the decision makers by campaigning and sitting on all the major University committees. It's run by students for students and each year you can vote for the candidates you want to represent you, or stand for office yourself.

Glasgow offers more than 270 clubs and societies, from Capoeira dancing to TEDx to the Psychology Society. Joining student clubs and societies is a great way to learn new skills and make friends.

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

## Dedicated postgraduate club

Our Gilchrist Postgraduate Club provides a casual and relaxed environment to meet friends, participate in group study or take a well-earned break. Facilities include a seminar room for meetings or presentations, study booths with integrated TV screens and a café/bar with barista coffee and tea. Events exclusively for postgraduate students are also held in the Club.

For more information, see [www.gilchristpgclub.org](http://www.gilchristpgclub.org)



# DISCOVER GLASGOW & SCOTLAND

With a wealth of cultural attractions, impressive architecture, fantastic shopping and a year-round programme of world-class events, it is easy to understand why Glasgow is firmly established as one of Europe's most exciting destinations. As a major UK city and a vibrant and popular student destination, Glasgow has loads to offer you.

## West End

The University's main campus is nestled within Glasgow's cosy and cultural West End, which is packed full of cafés, bars, vintage boutiques and cultural attractions. A must-visit is student-friendly Ashton Lane, a charming cobbled lane full of character, with a great choice of bars and restaurants.

## Shopping

Boasting the largest retail centre outside of London's West End, Glasgow offers a "style mile" containing big-name shops like Topshop and the Apple Store, as well as designer outlets and boutiques.

## Sports

As a previous host of the Commonwealth Games, and host of the 2018 European Championships, our sports facilities have never been better. From the Chris Hoy Velodrome and national football stadium Hampden Park, to an indoor snowboard and ski slope (with real snow) and ice arena, you'll be spoilt for choice.

## Parks

If you are looking for somewhere to relax and escape the city buzz, Glasgow has plenty of options. The "Dear Green Place", as translated from Gaelic, has over 90 parks and public gardens. Plenty of options to take your study materials or a good book outside!

## Culture

For culture vultures, the city is home to more than 20 world-class museums and art galleries, and is proud to have Europe's largest civic arts collection with works by Dali, Van Gogh, Degas and Monet all available to view free-of-charge in venues around the city.

## Nightlife

As the UK's first UNESCO City of Music, Glasgow is host to around 130 music events every week. From catching global superstars at the 13,000 capacity SSE Hydro, to local indie bands at legendary King Tut's, Glasgow caters for all music tastes.

Glasgow's nightlife is unrivalled, with the city boasting more than 700 bars, pubs and nightclubs and nine cinemas, including the tallest in the world. There's also an impressive mix of theatres, comedy clubs and even themed cabaret clubs.

## Scotland

With Glasgow as a base, you'll be in the ideal location to explore the length and breadth of the country. From spectacular scenery and adventure sports to breathtaking castles and some of the world's best-loved cultural festivals, there are plenty of attractions to enjoy, not least the spectacular scenery offered by the world's most beautiful country (Rough Guides, 2017).

## Find out more

For more information on Glasgow and Scotland, including city maps, top attractions and hidden gems, see [peoplemakeglasgow.com](http://peoplemakeglasgow.com) and [visitscotland.com](http://visitscotland.com)



Images from left to right, top to bottom: Kelvingrove Art Gallery and Museum, a landmark building housing 22 galleries; Riverside Museum, Scotland's Museum of Transport and Travel; The Edinburgh Fringe Festival, the world's largest arts festival; Kelvingrove Park, a classic Victorian park located adjacent to Gilmorehill Campus; Quiraing, stunning scenery on the Isle of Skye; SSE Hydro, the world's second-busiest live entertainment arena (Source: Pollstar)



# WELCOMING THE WORLD

No matter how far you travel to join us, we'll help you to feel at home in Glasgow. Glaswegians are famed for their friendliness and we have a range of specialist staff dedicated to your needs. From before you begin your journey to Glasgow, we work hard to make sure that when you arrive, you'll have the best experience possible.

## Meet us in your own country

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

## Need advice now?

Contact the International Office,  
Tel: +44 (0)141 330 6062  
Email: [student.recruitment@glasgow.ac.uk](mailto:student.recruitment@glasgow.ac.uk)

## Before you arrive

As you plan and prepare for your journey to Glasgow, our International Student Support team can give you advice on any concerns you have, including immigration, working regulations and finance.

See [glasgow.ac.uk/international/support](http://glasgow.ac.uk/international/support) for further information including our useful International Student Handbook and pre-departure checklist. You can also email us: [internationalstudentsupport@glasgow.ac.uk](mailto:internationalstudentsupport@glasgow.ac.uk)

## Improving competence in English

Before you are admitted to the University, we require you to show competence in English. We set a minimum English language proficiency level and accept qualifications from around the world.

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

Please note that some programmes require a higher standard of English – check the web page of your programme of interest for details.

We provide courses to help you reach a proficiency level equivalent to the required IELTS score through our English for Academic Study (EAS).

Pre-sessional EAS courses can last 5–36 weeks depending on your entry level. These courses have a strong study skills component and focus on academic English to help you adapt to the style of learning and teaching at the University. You can find out more information at [glasgow.ac.uk/eas](http://glasgow.ac.uk/eas)

If you'd like additional English language tuition once you've started your academic course, we also provide free part-time language support classes, including orientation English lessons at the start of each semester.

## Glasgow International College

If you're an international student but not quite ready to study at Glasgow, our partner institution, Glasgow International College, offers pre-Masters programmes in the Arts, Business, Engineering, Law, Science and the Social Sciences to help you achieve the required standards for admission to a range of one-year Masters programmes at the University. See [glasgow.ac.uk/gic](http://glasgow.ac.uk/gic)

## International Summer School

You can also apply to join our International Summer School, which offers a variety of credit-bearing courses from medical sciences through to Scottish history, combined with a lively Scottish social and cultural programme. For more information, see [glasgow.ac.uk/iss](http://glasgow.ac.uk/iss)

## Partner institutions

We offer University of Glasgow degrees in a variety of subjects through our Trans-national Education partners in Singapore and China. Graduates of those degrees are qualified to apply for postgraduate programmes with us here in Glasgow.

## Joint Masters degrees

We offer a variety of exciting joint Masters degrees in conjunction with other institutions around the world such as Nankai University in China. For full details of all collaborations, see our college web pages or contact the International Office at [student.recruitment@glasgow.ac.uk](mailto:student.recruitment@glasgow.ac.uk)

## Orientation

Our orientation programmes help you to feel at home from the moment you arrive.

They run in September and January and provide information on general welfare, immigration, health, employment regulations, finance and other non-academic matters, as well as opportunities to socialise and visit the local area. Previous students have found our orientation programmes to be invaluable in preparing for their studies at Glasgow. We therefore highly recommend that you attend where possible.

If you are arriving in September, our Welcome Team can meet you at Glasgow Airport and provide transport. More information and online registration for this service and for orientation is available on our website in the weeks before your arrival: [glasgow.ac.uk/international/support/before/orientation](http://glasgow.ac.uk/international/support/before/orientation)

## Once you are here

Our range of services and social events have been designed to help you immerse yourself in Scotland's culture and enjoy your time at university.

Our International Student Support team provides a dedicated advisory service for international students. We can help you with non-academic and welfare matters. During the first few days of specified arrival periods in September and January, we set up a Welcome Desk on campus where you can go with any questions or concerns.



# ABOUT POSTGRADUATE STUDY

## Postgraduate taught degrees

### Types of postgraduate taught degrees

With more than 300 taught options to choose from, you should be able to find a programme that matches your interests. If you choose to study for a taught degree programme at Glasgow, you can work towards a Masters degree, a Postgraduate Diploma or a Postgraduate Certificate.

- Taught Masters degrees usually last for one year (full-time study) or two years (part-time study) and the final assessment is often based on the submission of a research-based dissertation.
- Most Postgraduate Diplomas last for nine months full-time.
- Postgraduate Certificates generally last for four to five months full-time.
- Many Postgraduate Diploma and Certificate programmes are available on a part-time basis.

### January intake

To support a flexible approach to learning, certain programmes

provide the opportunity to commence your studies in January 2020 (as well as September 2019). Such programmes are offered by the Schools of Engineering, Geographical & Earth Sciences and Physics & Astronomy, and by schools within the College of Medical, Veterinary & Life Sciences. You can find the full list of programmes at [glasgow.ac.uk/postgraduate/january](http://glasgow.ac.uk/postgraduate/january)

### Online learning

Some of our postgraduate programmes are available online through distance learning, allowing you to expand your horizons no matter where you are in the world. For further information on online programmes, go to page 18 or see [glasgow.ac.uk/onlineprogrammes](http://glasgow.ac.uk/onlineprogrammes)

### Find out more

A full list of our programmes by subject area is available on pages 2–5. Alternatively, you can search through our programme index on pages 246–250 or on our website: [glasgow.ac.uk/postgraduate](http://glasgow.ac.uk/postgraduate)

## Postgraduate research

### Types of postgraduate research degrees

Postgraduate research degrees can generally be divided into Research Masters and Doctoral (PhD) degrees. You can find a list of the types of research degrees available in the table opposite. Students undertaking a research degree are expected to make a significant contribution to knowledge in, or understanding of, a field of study.

We welcome applicants with their own research proposals or those looking for a specific funded project.

### Find out more

You can find an overview of research opportunities in each subject section. A list of subject areas with corresponding page numbers can be found on pages 2–5. Alternatively, a comprehensive list of the latest opportunities is available at [glasgow.ac.uk/research/opportunities](http://glasgow.ac.uk/research/opportunities)

# POSTGRADUATE RESEARCH

## Type of degree

## Length

## Details

PhD (Doctor of Philosophy)	Three to four years full-time or six to eight years part-time	PhD thesis is a maximum of 80,000–100,000 words, depending on the college, or agreed equivalent (if comprised of applied or creative components).
MLitt (Master of Letters) by Research	Two years full-time or three years part-time	The MLitt thesis is between 40,000 and 70,000 words or agreed equivalent (if comprised of applied or creative components).
MPhil (Master of Philosophy) by Research	Two years full-time or three years part-time	The MPhil thesis is between 30,000 and 40,000 words or agreed equivalent (if comprised of applied or creative components).
MSc (Master of Science) by Research	One year full-time or two years part-time	The MSc by Research thesis is normally 30,000–50,000 words.
MRes (Master of Research)	One year full-time or two years part-time	Allows you to take a number of taught courses alongside a substantive dissertation.
DFA (Doctor of Fine Arts in Creative Writing)	Three or four years full-time or six years part-time	You will complete core seminars and submit a portfolio of 70,000–100,000 words, including a creative project and essay of written work.
DPT (Doctor of Practical Theology)	Three or four years full-time or six years part-time	You will complete a research project leading to submission of a dissertation or equivalent research portfolio of 50,000–65,000 words.
EdD (Doctor of Education)	60 months part-time by distance learning	Comparable in standing with the PhD, the EdD provides a programme of advanced study that is both professionally relevant and academically rigorous.
EngD (Engineering Doctorate)	Four or five years full-time	Emphasis on research in an industrial context. You will complete a thesis or themed portfolio.
LLM by research	One year full-time or two years part-time	You will complete a 30,000-word thesis.
MD (Doctor of Medicine)	Two years full-time or four years part-time	For medically qualified graduates only.
MFA (Master of Fine Arts in Creative Writing) by Research	Two years full-time or four years part-time	Consists of completion of core seminars and submission of a portfolio of 40,000–60,000 words, including a creative project and essay of written work.
MMus (Master of Music) by Research	One year full-time or two years part-time	You will attend research seminars and complete a thesis or portfolio.



# HOW TO APPLY

## Your application

Before starting your application we strongly recommend that you review any relevant information for prospective postgraduate students on the web pages of the graduate school to which you are applying.

Applications are made via our online application form. Before submitting, you may save and return to your application as many times as you wish within 42 days.

For postgraduate taught degrees, see [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

For postgraduate research degrees, see [glasgow.ac.uk/research/apply](https://glasgow.ac.uk/research/apply)

## Research degrees

If you are applying for a research degree, you may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

Please note, even if you have spoken to an academic staff member about your proposal, you still need to submit an online application form.

You can find relevant academic staff members using our staff interests search at [glasgow.ac.uk/research/opportunities/search](https://glasgow.ac.uk/research/opportunities/search)

## Application deadlines

### Postgraduate taught

The application deadline can vary between programmes so please ensure that you check the programme web page for details.

### Postgraduate research

We accept applications for the majority of research degrees all year round. However, some research programmes have specific deadlines. For more information, see [glasgow.ac.uk/howtoapplyforaresearchdegree](https://glasgow.ac.uk/howtoapplyforaresearchdegree)

## Entry requirements

Applicants for the majority of postgraduate degrees should have obtained at least a 2.1 Honours degree (or equivalent). A Masters qualification may also be required for PhD study. In some cases work experience is also taken into account.

You can find individual entry requirements for each programme at [glasgow.ac.uk/postgraduate](https://glasgow.ac.uk/postgraduate)

Please check country-specific entry requirements at [glasgow.ac.uk/international](https://glasgow.ac.uk/international)

## Contact us

For further information, complete our online enquiry form: [glasgow.ac.uk/enquireonline](https://glasgow.ac.uk/enquireonline)





# FEES, FUNDING & SCHOLARSHIPS

We understand that financing your studies and living costs can be a concern for many postgraduate students. At Glasgow we aim to provide our students with as much financial support as possible and continuously strive to expand our range of scholarships and bursaries for both UK/EU and international students.

## Tuition fees

Tuition fees cover the cost of registration, supervision of research or study, and examination and recreation facilities. Some laboratory-based and clinical departments may require payment of an additional bench fee: your college or graduate school will be able to advise you. You must arrange funding for your tuition fees and living costs before your studies begin.

Fees for 2019–20 will be published online at [glasgow.ac.uk/fees](http://glasgow.ac.uk/fees)

## EU Referendum

As you'll be aware, the UK voted in June 2016 to leave the EU. We expect that fees for EU students commencing study in 2019 (for both taught and research degrees) will be at the same level as those for UK students. Students will be admitted with UK/EU fee status and retain that status for the duration of their studies. Although not formally confirmed at the time of going to print, we expect postgraduate EU students enrolling in 2019 will continue to remain eligible for tuition fee loans and Research Council funding.

The University of Glasgow is a proudly international institution, deeply rooted in the best European traditions of learning, and continues to be committed to offering our students the widest possible opportunities.

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

## Cost of living

The cost of living can vary depending on your needs. As a rough guide, to study in the UK we recommend around £12,220 per year for a single student, a minimum of £20,000 for married couples and for each child add £5,000 per year. Please see table on the opposite page for further guidance.

## Scholarships

As a commitment to supporting new students and rewarding academic excellence, we provide a wide range of financial support. This year we are investing over £1.5m towards scholarships and funding opportunities for taught programmes.

Some of the scholarship schemes you may be eligible to apply for are listed below. With the exception of the Glasgow Alumni Scholarship, the number of available awards for each scheme is limited, and all are subject to eligibility criteria.

- **Glasgow Alumni Scholarship:** 10% fee discount on both postgraduate taught and research programmes for alumni.
- **Postgraduate Talent Scholarship:** £2,000 for students who could face financial difficulties in taking up a place to study a taught Masters programme.
- **PGT Excellence Scholarship:** £5,000 tuition fee discount for taught programmes is available for UK and EU students.
- **University of Glasgow African Excellence Award:** Full fee waivers for African students.

- **Humanitarian Scholarship:** Full fee waiver and £5,000 per year stipend for students living in the UK on humanitarian grounds and facing challenges in progressing into Higher Education. University accommodation may also be provided subject to criteria.
- **Refugee Scholarship:** £5,000 annual stipend for students who hold refugee status.

Alternatively, you may be able to apply to the Student Award Agency for Scotland for a Postgraduate Tuition Fee Loan to help with the cost of fees. For a list of eligible degree programmes, see [saas.gov.uk](http://saas.gov.uk)  
To search for scholarship and funding opportunities, see [glasgow.ac.uk/scholarships](http://glasgow.ac.uk/scholarships)

## Graduate schools

If you are a postgraduate research degree applicant, the main source of information on funding is the web page of the graduate school to which you are applying.

To view the latest funding opportunities and scholarships, see:

- [glasgow.ac.uk/arts/graduateschool](http://glasgow.ac.uk/arts/graduateschool)
- [glasgow.ac.uk/mvls/graduateschool](http://glasgow.ac.uk/mvls/graduateschool)
- [glasgow.ac.uk/scienceengineering/graduateschool](http://glasgow.ac.uk/scienceengineering/graduateschool)
- [glasgow.ac.uk/socialsciences/graduateschool](http://glasgow.ac.uk/socialsciences/graduateschool)

## Find out more

To find out what support is available, and to get advice about topics such as financial aid, budgeting, paying tax and setting up bank accounts, see [glasgow.ac.uk/studentfinance](http://glasgow.ac.uk/studentfinance)

## Tuition fees (2019–20)

### Full-time students from the UK/EU per year

Most taught programmes (non-clinical)*	£8,000
Most Adam Smith Business School taught programmes	£11,250
Research programmes	See website
MBA	£16,750

### Full-time international students (non UK/EU)

Most taught or research programmes for arts or social sciences*	£17,620
Most Adam Smith Business School taught programmes*	£21,020
Most taught or research programmes for science & engineering	£21,020
Most taught or research programmes for medical, veterinary & life sciences (non-clinical)	£21,020
MBA	£27,670

## Cost of living\*\*

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

Accommodation	£480
Food	£180
Clothes	£70
Travel in Glasgow	£40
Laundry/stationery etc	£30
Telephone/internet	£40
Entertainment	£120
<b>Total</b>	<b>£960</b>

### Additional costs per year

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

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



## Scottish Funding Council places

A small number of our taught programmes are supported by funding provided by the Scottish Funding Council (SFC). The SFC funding covers tuition fees for Scottish and EU (non-UK) students and places are awarded on a competitive basis.

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



# COLLEGE OF ARTS

The University of Glasgow is at the forefront of delivering world-leading teaching, learning and research in the Arts & Humanities. Located in one of the UK's most creative and exciting cities, postgraduate study takes place in a stimulating and intellectual environment and offers the opportunity to engage with some of the city's cultural, creative and heritage organisations.

## Taught and research programmes

The College of Arts offers taught and research programmes in the following subject areas:

Ancestral Studies (page 48)  
Archaeology (page 49)  
Celtic & Gaelic (page 63)  
Classics (page 70)  
Creative Writing (page 76)  
English & Scottish Literature & Language (page 114)  
Film & Television Studies (page 124)  
History (page 138)  
History of Art (page 143)  
Information Studies (page 154)  
Media & Cultural Policy (page 179)  
Modern Languages & Translation Studies (page 193)  
Music (page 198)  
Philosophy (page 207)  
Theatre Studies (page 228)  
Theology & Religious Studies (page 231)  
War Studies (page 244)

## Research environment

The graduate school is a hub for postgraduate students in the College of Arts. We support the development and wellbeing of students, helping you to become the research leaders, professionals and creative thinkers of the future.

As a postgraduate research student, you will have access to a range of skills development workshops, training and network

opportunities. However, your skills development extends beyond these workshops and includes collaborative research training initiatives, conference organising and attendance, internships and careers events.

Our award-winning online journal eSharp offers the chance to participate in the creation of an international publication for postgraduate research in the arts, humanities, social sciences and education. Run entirely by postgraduate students, this peer-reviewed publication provides interdisciplinary exchange and hands-on experience of journal management and editing.

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

## Resources and facilities

You will have 24-hour access to a postgraduate study space.

Teaching facilities include a flexible stage theatre, cinema, concert hall, electroacoustic music studio and audio labs, and the Edwin Morgan writing room. We have a phonics lab and multimedia labs, as well as analytical labs.

Our Special Collections provide some of the leading historical resources in Scotland for research and teaching. Holdings of medieval and renaissance manuscripts and emblem literature are of international importance.

The Hunterian is our world-leading university museum & art gallery and one of Scotland's greatest cultural assets. The original collection has grown substantially and now encompasses over 1.5 million objects.

Much of the collection is now stored at Kelvin Hall, a newly refurbished Glasgow landmark transformed by a partnership between the University, Glasgow Life, Glasgow Museums and the National Library of Scotland. As a new centre of excellence for research, teaching, public engagement and health and wellbeing, Kelvin Hall provides an outstanding resource for students undertaking collections-based research. Kelvin Hall will strengthen and enhance the University's reputation for collections-based research and learning.

See page 10 for more details on the Kelvin Hall development. For further information, see [glasgow.ac.uk/kelvinhall](http://glasgow.ac.uk/kelvinhall)

## Funding and scholarships

A range of scholarships and funding opportunities are available to UK, EU and international students.

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

## Contact

Email: [arts-studentrecruitment@glasgow.ac.uk](mailto:arts-studentrecruitment@glasgow.ac.uk)

## A new understanding of the English language



*The Historical Thesaurus of English* was awarded a Queen's Anniversary Prize for Higher Education, in 2017. The prize, the highest accolade for any academic institution, has been approved by Her Majesty The Queen, on the advice of the Prime Minister, following a very intensive period of assessment organised by the Royal Anniversary Trust which administers the scheme.

The *Thesaurus* is a unique resource charting the semantic development of the huge and varied vocabulary of English. The book and website consist of almost every recorded word in English from Anglo-Saxon times to the present day, all arranged into detailed hierarchies of meaning. It allows readers to understand not only which words were available to discuss any given concept at any given moment in the history of the English language, but also the full range and variety of words available to English speakers at that moment in time.

Resulting from a research programme that began at Glasgow in 1965, the *Thesaurus* was first published in 2009 and is now in its fifth updated version. It is unique, both in its coverage and in its method; no other historical thesaurus of any language has ever been created.



# COLLEGE OF MEDICAL, VETERINARY & LIFE SCIENCES

We bring together internationally renowned experts to advance research in medical, veterinary and life sciences. Our collaborative, interdisciplinary approach means we can study processes at every level of their biological organisation.

Our students benefit from our broad base of science knowledge, state-of-the-art facilities and pioneering teaching methods, preparing them for a wide variety of careers ranging from clinical medicine and veterinary medicine, to biological and environmental science, in the academic, commercial and public sectors.

## Taught and research programmes

The College of MVLS offers taught and research programmes in the following subject areas:

Biodiversity, Animal Health & Comparative Medicine (page 52)  
Cancer Sciences (page 56)  
Cardiovascular & Medical Sciences (page 58)  
Health & Wellbeing (page 131)  
Infection, Immunity & Inflammation (page 150)  
Life Sciences (page 163)  
Medicine, Dentistry & Nursing (page 181)  
Molecular, Cell & Systems Biology (page 195)  
Neuroscience & Psychology (page 202)  
Veterinary Medicine (page 241)

## Research environment

Our research generates an annual income of over £106m and is focused on improving the health and quality of life of humans and animals across the globe.

Our college is composed of seven research institutes and three schools, each designed to enhance multidisciplinary approaches to tackle major national and global bioscience and biomedical challenges.

## Learning environment

Our graduate school provides a vibrant, supportive and stimulating environment for all our postgraduate students. We aim to provide excellent support for our postgraduates through dedicated postgraduate conveners, highly trained supervisors and pastoral support for each student.

## Resources and facilities

As a postgraduate student in our college you will enjoy access to a range of facilities including:

- the Glasgow Biomedical Research Centre, which offers a multidisciplinary environment studying topics from molecular structure through to microbiology, molecular parasitology and immunobiology
- the British Heart Foundation Glasgow Cardiovascular Research Centre, which is an experimental and clinical facility that integrates research and clinical practice
- the Beatson Institute, which is one of Cancer Research UK's core funded institutes, with state-of-the-art technologies supporting cutting-edge research
- our Veterinary School at the University's Garscube Campus, which includes the Small Animal Hospital, the Weipers Centre for Equine Welfare and the new Scottish Centre for Production Animal Health & Food Safety
- the Scottish Centre for Ecology & the Natural Environment (SCENE), which is the foremost

field station in Scotland for teaching, training and research in ecology and environmental sciences.

With the NHS, the University of Glasgow has led the development of new teaching and clinical research facilities at the new Queen Elizabeth University Hospital. These include:

- a £25m purpose-built Teaching & Learning Centre for training of undergraduate medical, postgraduate and nursing students alongside NHS staff
- a new £5m Clinical Research Facility to ensure that the hospital is at the forefront of clinical trials of new medicines
- a £32m Imaging Centre of Excellence, which includes a 7 Tesla MRI scanner, an ultra-high resolution scanner which will be the first of its kind on a clinical site in the UK, and world-leading clinical academic expertise in stroke, cardiovascular disease, and brain imaging.

## Funding and scholarships

We have a range of scholarships and funding opportunities available for home and international students: [glasgow.ac.uk/mvlsgraduate](http://glasgow.ac.uk/mvlsgraduate)

## Contact

Tel: +44 (0)141 330 5800  
Email: [mvls-gradschool@glasgow.ac.uk](mailto:mvls-gradschool@glasgow.ac.uk)

## Glasgow scientists leading the fight against the Zika virus

Scientists at the MRC-University of Glasgow Centre for Virus Research are carrying out world-leading research into the Zika virus, which has been declared a global health emergency by the World Health Organization. The virus, which was discovered by the University of Glasgow's Professor Alexander Haddow, has gained global notoriety due to its rapid spread through the Americas and its potential link with microcephaly, which causes birth defects.

Researchers at the Centre for Virus Research are stepping up work on the Zika virus with the help of £4m worth of funding from the Government's Global Challenges Research Fund, Wellcome Trust and the Newton Fund.

One of several research projects is being led by Professor Heather Ferguson, the principal investigator on looking into the ecology of Zika transmission in Ecuador and Colombia. She says:

"The ability of South American countries to effectively respond to the unprecedented recent outbreak of Zika virus is severely hampered by limited understanding of the ecology of the virus's transmission within areas where cases are rapidly expanding.

"Our project will conduct a comprehensive programme of mosquito vector surveillance and viral genotyping within four South American settings where Zika cases are recently emerging."

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



# COLLEGE OF SCIENCE & ENGINEERING

We work to understand the world we live in, to conduct research that is relevant to global needs and to help create the emerging technologies of the 21st century.

You can be part of an exciting and stimulating environment defined by world-leading research which has global economic impact. Our research spans seven academic disciplines and ranges from fundamental discovery to tackling grand societal challenges and developing new technologies.

## Taught and research programmes

The College of Science & Engineering offers taught and research programmes in the following subject areas:

Chemistry (page 68)  
Computing Science (page 72)  
Engineering (page 105)  
Geographical & Earth Sciences (page 127)  
Mathematics & Statistics (page 174)  
Neuroscience & Psychology (page 202)  
Physics & Astronomy (page 209)

## Research environment

We have expertise in the core disciplines of chemistry, computing science, engineering, geography and Earth sciences, mathematics and statistics, physics and astronomy, and psychology.

Our expertise in interdisciplinary areas includes research in:

- electronics and photonics
- energy and sustainability
- healthcare and diagnostics imaging
- materials and nanotechnology
- modelling and simulation
- security, defence and aerospace
- sensor systems
- space
- synthetic biology.

## Learning environment

Our degree programmes allow you to develop your existing knowledge and skills base or translate these from a related discipline to one in science and engineering. As a student in our college, you will benefit from support for all aspects of your studies – from application, admission, registration and induction to training, progression and examination. Each school has a member of staff dedicated to postgraduate taught and postgraduate research study, who will be available for consultation throughout your time at Glasgow.

## Career development

We support your research skills and professional development through a range of training initiatives, resources and courses. For research students, our training programme offers the necessary skills to further your career, including courses such as scientific writing, presentation skills, project management, entrepreneurship and communicating science to the public.

Professional bodies, such as the Chartered Institute for Information Technology (BCS), British Psychological Society (BPS), Royal Statistical Society (RSS) and London Mathematical Society (LMS), organise various events and courses, and we encourage you to take advantage of these. You may also be able to take advantage of opportunities to network with potential future employers, or train to become a graduate teaching assistant.

## Resources and facilities

As a postgraduate student in the College of Science & Engineering you will enjoy access to state-of-the-art software and facilities, including the following:

- Centre for Cognitive Neuroimaging
- Centre for Rehabilitation Engineering
- Electronics Design Centre
- Glasgow Molecular Organic Geochemistry Laboratory
- Imaging Spectroscopy and Analysis Centre
- James Watt Nanofabrication Centre
- Kelvin Nanocharacterisation Centre
- Scottish Universities Environmental Research Centre (SUERC): home to state-of-the-art analytical technology used to address major issues in environmental, earth and life sciences
- SRDG Materials characterisation lab: essential for the aLIGO suspension construction and the subsequent gravitational wave discoveries
- Wind tunnel facilities.

## Funding and scholarships

We are able to support home/EU and international students through a diverse scholarship portfolio which includes the various research councils, bequests, international government and industrial partners. The availability of individual scholarships will depend on the subject you wish to study and when you wish to commence your studies.

The University also supports its postgraduate community through internally funded scholarships in areas of strategic importance. Further information about current scholarships is available at [glasgow.ac.uk/scienceengineering/scholarships](http://glasgow.ac.uk/scienceengineering/scholarships)

## Contact

Tel: +44 (0)141 330 7478/7312  
Email: [scieng-gradschool@glasgow.ac.uk](mailto:scieng-gradschool@glasgow.ac.uk)

## Designing world-changing algorithms

Sofiat Olaosebikan is a second-year PhD researcher in the School of Computing Science. She is focused on the design of efficient algorithms which construct optimal allocations between sets of entities. Her research is funded by the College of Science and Engineering Scholarship.

"I am passionate about combining tools from mathematics and theoretical computer science to come up with solutions to real-world problems. One of the reasons I enjoy my research so much is because of its applications to many practical scenarios. For example, my PhD supervisor led the team that designed an algorithm that is being employed by NHS Blood and Transplant to find optimal sets of swaps involving donors and kidney transplant patients – essentially saving lives.

"Glasgow has offered me a platform to learn from renowned experts and be part of an amazing research group. I have had the opportunity to publish my scientific findings, present my work at international conferences and network with top-notch researchers in my field. All of these have allowed me to grow academically. I appreciate that the college helps their postgraduates develop transferable skills by offering a wide range of training courses, some of which involve trips to exciting places outside the University. What caps it all for me is that the environment inspires students to be creative in order to drive change, allowing us all to become future world-changers."

For further information on PhD opportunities, see [glasgow.ac.uk/scienceengineering/graduateschool/postgraduateresearchstudy](http://glasgow.ac.uk/scienceengineering/graduateschool/postgraduateresearchstudy)



# COLLEGE OF SOCIAL SCIENCES

Building upon the tradition of Adam Smith, our teaching and research address local and global challenges. Our impressive list of international partners includes Nankai University, with whom we are promoting research on China through our Confucius Institute.

Glasgow has been called the birthplace of the Scottish Enlightenment. At its centre stood the University, where the leading academics of the day, such as Adam Smith, developed reasoned thinking to expand knowledge to new levels of understanding.

Adam Smith, father of economics, was Professor of Logic and then Professor of Moral Philosophy at the University. Over 200 years after his death, he is still among the most influential thinkers in the field of social sciences today.

The college is part of the Scottish Doctoral Training Partnership, which provides access to a broad range of research skills training that enhances further academic research as well as employability.

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

## Taught and research programmes

The College of Social Sciences offers taught and research programmes in the following subject areas:

Accounting & Finance (page 44)  
Central & East European Studies (page 65)  
Economic & Social History (page 78)  
Economics (page 80)  
Education (page 89)  
Environment, Sustainability & Tourism (page 120)  
Law (page 156)  
Management (page 167)  
Neuroscience & Psychology (page 202)  
Politics (page 214)  
Sociology (page 221)  
Urban Studies (page 233)

## Research environment

We are host to a vibrant research community and are committed to delivering an environment which nurtures and challenges our researchers at every stage of their career.

Within the social sciences, we host several dynamic research centres and centres of excellence, including the RCUK Centre for Copyright and New Business Models in the Creative Economy (CREATE), the UK Collaborative Centre for Housing Evidence (CaCHE), the Robert Owen Centre for Education Change, and the GCRF Centre for Sustainable, Healthy and Learning Cities and Neighbourhoods (SHLC). Our strategic research themes present a broad scope for scholarship to address global issues.

- Social justice, equity and change
- Health, wellbeing and social care
- Global security and risk
- Social, economic and legislative transformations
- Regulation and consumption
- Responsible innovation and sustainability

With a full professional support service in place for researchers, opportunities for funding to support new ideas are always available, including via our College Strategic Research Fund, which offers in-house funding schemes designed to develop research ideas to their full potential.

## Learning environment

We also offer an online writing programme to support and improve

skills in writing, and a range of training courses including research workshops, labs and seminars that focus on social science statistics, qualitative methods and social theory for researchers.

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

## Career development

Our college employability officer can give you advice and support on career planning, professional development, transferable skills training, work experience and placements.

## Funding and scholarships

A range of scholarships and funding opportunities are available for full-time and part-time study.

The University plays a leading role in the Scottish Graduate School for Social Science, which offers postgraduate scholarships via a number of designated pathways: these can be on a 2+3, 1+3 or a +3 basis. Other important sources of funding include:

- college scholarships, which provide an annual stipend in line with RCUK provision and fees paid at the Home/EU rate or International rate
- the Kelvin Smith Scholarship Scheme for interdisciplinary research projects.

For more information on scholarships and funding opportunities, see [glasgow.ac.uk/socialsciences/graduateschool](http://glasgow.ac.uk/socialsciences/graduateschool)

## Contact

Tel: +44 (0)141 330 1990  
Email: [socsci-gradschool@glasgow.ac.uk](mailto:socsci-gradschool@glasgow.ac.uk)

## International Law, Conflict and Security

Joanna Wilson is a PhD student in the International Law, Conflict and Security Research Group at the School of Law. Currently in her second year, she is investigating Laws and Humanity.

"After my MA in International Relations and Spanish at St Andrews I applied for the International Law & Security LLM at Glasgow. Transitioning from international relations to law was more than a little daunting, but it soon became clear that my existing critical skills and knowledge of international affairs were only a beneficial addition to the legal analytical expertise I was acquiring. This gave me the confidence to undertake a PhD in Law. With its expert staff and vibrant student community, I knew that Glasgow would be an excellent place to do this."

"I have made some great friends, been to some super events, at which I have met a number of fascinating academics and practitioners from around the world, and presented my research at a number of conferences across Europe. I am very lucky to hold the position of GTA/Research Associate, which offers the opportunity to help with teaching, administration and events organisation: a time-management challenge, but perfect preparation for a career in academia!"

International Law, Conflict and Security research group  
[glasgow.ac.uk/law/research/groups/international-law](http://glasgow.ac.uk/law/research/groups/international-law)



# A—Z OF SUBJECTS AND PROGRAMMES



# ACCOUNTING & FINANCE

Accounting & Finance at Glasgow has had an international reputation for high-quality research since 1925.


We are a broad subject group, bringing together expertise in the main areas of:

- Finance and market-based research
- Financial reporting
- Management accounting and control.

We also have specialist knowledge of accounting education, accounting history, auditing and corporate governance. If you study with us, you can gain career-enhancing professional skills and a degree accredited by all the major UK professional accounting bodies.

Accounting & Finance boasts three new computer laboratories which are equipped with accounting software Sage Accounts, statistical software such as SPSS and Minitab, bibliography software such as EndNote, qualitative research software such as NVivo, and online data sources such as Company Analysis.

Accounting & Finance students have access to a dedicated Social Sciences employability officer who can help you to enhance your employability.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Corporate Governance & Accountability

MSc: 12 months full-time

This programme will give you a theoretical and practical understanding of corporate governance and accountability, together with an international perspective on some of the most important issues facing global business and society today.

 [business-accounting-finance@glasgow.ac.uk](mailto:business-accounting-finance@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses and write a dissertation on an accounting and governance related theme.

#### Core courses

- Foundations of international corporate finance
- International corporate governance and accountability
- Management accounting and control.

#### Optional courses may include:

- Audit, risk and control
- Accounting and business ethics
- Governing risk and uncertainty
- Human rights and business
- Public sector financial management
- Responsible banking and development finance
- Social accounting, reporting and finance.

#### Career prospects

Upon completing the programme, you will have a competitive edge when looking for roles in the financial sector relating to corporate governance, general management, compliance, auditing and risk management.

#### Why choose Glasgow?

- Good corporate governance promotes fairness in the economy and is essential in modern society. This programme will teach you about the main principles of finance and governance, the relationship between state, society and business, and also aspects of business law, management and ethics.
- You will gain a detailed understanding of why corporate governance has become important, what the challenges are to enforce it, and how it has changed over time.

## Financial Modelling

MSc: 12 months full-time

This programme will help you develop an excellent understanding of statistics, along with advanced practical knowledge of financial markets. It will provide you with an enquiry-led understanding of interconnected subject areas in statistics and finance. It is ideally suited for graduates in mathematics, statistics, engineering, or a related discipline who wish to use their skills to pursue a career in finance.

 [business-accounting-finance@glasgow.ac.uk](mailto:business-accounting-finance@glasgow.ac.uk)

### Programme structure

You will take eight core courses and one optional course, and complete a substantial independent piece of work, normally in the form of a dissertation, on a finance-related theme. Teaching is through a combination of methods including lectures, seminars, tutorials and practical programming and data analysis classes. You will also have the opportunity to attend practitioner seminars so you can learn from leading experts.

#### Core courses

- Financial statistics
- International capital markets
- Introduction to R programming
- Probability
- Regression models
- Risk management and derivative securities
- Statistical inference
- Time series.

#### Optional courses may include:

- Behavioural finance
- International banking and financial markets.

#### Career prospects

Financial Modelling prepares you for a rewarding career in the financial sector, for example as a quantitative financial analyst, equity analyst or risk analyst. Recent graduates have gone on to work for KPMG, Deloitte and Citic Securities.

#### Why choose Glasgow?

- There is an increased demand for professionals who can apply mathematical and statistical skills in the financial environment. This programme is intended to develop your skills in statistics and enable you to successfully apply them to complicated financial modelling.
- It is a research-driven programme where you will develop a critical awareness of financial theories, models and how capital markets work, together with an understanding of the evolving and challenging areas of market behaviour, risk management and international banking.

## International Accounting & Financial Management

MAcc: 12 months full-time

This programme will provide you with current practical and theoretical knowledge of accounting and financial management. It focuses on internal corporate management, external corporate reporting and financial markets, all of which enables you to think critically about the financial business environment both throughout the degree and in your future career.

 [business-accounting-finance@glasgow.ac.uk](mailto:business-accounting-finance@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses and complete a substantial piece of independent research work in the form of a dissertation on an accounting-related theme. Teaching is through a combination of lectures, seminars and tutorials.

#### Core courses

- Foundations of international corporate finance
- International financial accounting for multinational companies
- Issues in accounting research
- Management accounting and control.

#### Optional courses may include:

- Accounting and business ethics
- Advanced international corporate reporting
- Audit, risk and control
- Climate change policies and accountability issues
- Global issues in management accounting
- Governing risk and uncertainty
- Human rights and business
- Public sector financial management
- Social and environmental accounting.

#### Career prospects

Upon successful completion of the programme you will be equipped to work in roles relating to accountancy, management advice, and audit and assurance. The degree can also act as a springboard into other areas, such as management consultancy, tax, or general management. Recent graduates have secured employment with leading accounting firms, financial institutions and commercial organisations such as, KPMG, Deloitte, PricewaterhouseCoopers and EY.

#### Why choose Glasgow?

- Our teaching across all areas of the curriculum is informed by current research in many disciplines, including international financial reporting, management accounting and control, and corporate financial management.
- As part of your studies you will be introduced to current research that will help you build your critical and analytical skills, which are beneficial for senior roles in many accounting, finance and related fields.

[glasgow.ac.uk/subjects/accountingfinance/postgraduate](https://glasgow.ac.uk/subjects/accountingfinance/postgraduate)



## International Corporate Finance & Banking

MSc: 12 months full-time

This Masters blends corporate finance and banking, providing you with a critical awareness of evolving and controversial areas of international finance, international capital markets and banking. It is ideally suited for those who are interested in careers in international banking and financial intermediation, corporate financial management, personal financial management, wealth management, responsible banking, and securities and investment management.

 [business-accounting-finance@glasgow.ac.uk](mailto:business-accounting-finance@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course, and complete a substantial independent piece of work, normally in the form of a dissertation, which offers you the flexibility to pursue studies in your chosen area of interest, on a theme related to financial analysis.

#### Core courses

- Financial management in banking
- Financial regulation and ethics
- International capital markets
- International corporate finance
- Statistics for business research.

#### Optional courses may include:

- Alternative investments
- Financial risk management
- International banking and financial markets
- Responsible banking and development finance.

#### Career prospects

Recent graduates have become finance managers, wealth managers, VAT managers, audit specialists, planning & business analysts and personal financial advisers, and work for companies such as KPMG and Deloitte as well as most major banks and financial institutions around the world.

#### Why choose Glasgow?

- You will be equipped with the essential financial knowledge and skills on international corporate finance and banking to help prepare you for challenging roles in banking and finance sectors.
- Our teaching is informed by the latest research to help you gain a comprehensive theoretical understanding and enable you to think critically about a wide range of complex financial issues in international financial markets and banking.

## International Finance

MFin: 12 months full-time

This intensive programme covers an intellectually sophisticated curriculum to provide you with an in-depth knowledge of financial theory and practice, with a distinctive focus on the global marketplace. It will give you a thorough understanding in the area of international finance to help you develop a critical appreciation of the issues surrounding global organisations in rapidly changing economies.

 [business-accounting-finance@glasgow.ac.uk](mailto:business-accounting-finance@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses and undertake a substantial independent piece of work, normally in the form of a dissertation, on a finance-related theme.

#### Core courses

- International capital markets
- International corporate finance
- Statistics for business research.

#### Optional courses may include:

- Alternative investments
- Behavioural finance
- Financial analysis and equity valuation
- Financial regulation and ethics
- Financial risk management
- Governing risk and uncertainty
- International banking and financial markets
- International financial management
- Mergers and acquisitions
- Responsible banking and development finance
- Risk management and derivatives securities.

#### Career prospects

You will develop the knowledge to work in a variety of financial functions, and for a variety of firms such as banks, insurance companies and financial service companies. International Finance alumni have gone on to be finance managers, credit analysts, auditors and corporate portfolio managers around the world. Employers include Samsung, PricewaterhouseCoopers, KPMG, Barclays, EY, Shenzhen Media Group, China Merchants Bank and Bank of China.

#### Why choose Glasgow?

- International Finance is well established at the Adam Smith Business School. It is ranked 59th in the world for Masters in Finance (*Financial Times*, 2017).
- The programme fosters critical awareness to help you appraise models, theories and issues relevant to the finance functions of international organisations.

## International Financial Analysis

MSc: 12 months full-time

This programme aims to develop your awareness and understanding of international finance and financial analysis, preparing you for some of the most competitive financial analysis and investment positions in the global marketplace.

 [business-accounting-finance@glasgow.ac.uk](mailto:business-accounting-finance@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course, and complete a substantial independent piece of work, normally in the form of a dissertation.

#### Core courses

- Financial analysis and equity valuation
- Financial reporting and interpretation
- International capital markets
- International corporate finance
- Statistics for business research.

#### Optional courses may include:

- Alternative investments
- Financial management in banking
- Financial risk management
- International financial management
- Risk management and derivative securities.

#### Career prospects

Graduates have gone on to be senior investment managers, business analysts, and budgeting and reporting HR managers. Employers include Volkswagen Finance, Standard Chartered Bank, Deloitte and Johnson & Johnson.

#### Why choose Glasgow?

- This programme is part of the CFA Institute University Affiliation Program. It has been acknowledged for incorporating at least 70% of the CFA Program Candidate Body of Knowledge (CBOK). The knowledge acquired on the programme should position you well to obtain the Chartered Financial Analyst® designation, which has become the most respected and recognised investment credential in the world.
- The curriculum is industry-driven, aiming to solidify and expand your knowledge of financial markets and a range of financial products traded in them. It will equip you with analytical tools used in financial analysis so that you will be proficient at analysing and interpreting financial information in order to make optimal decisions.

## Research opportunities

We offer PhDs in the following research areas:

- Accounting
- Finance (Accounting and Finance)
- Accounting and Finance.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.


For more information, visit [glasgow.ac.uk/research/opportunities/subjects/accountingfinance](http://glasgow.ac.uk/research/opportunities/subjects/accountingfinance)



## ANCESTRAL STUDIES

We offer an interdisciplinary and innovative programme in Ancestral Studies which opens up the opportunity to contribute to, and shape, a new academic field of research.

Our programmes draw upon a wide variety of academic fields such as literature, history, theology, music, history of art, politics and media studies. Study with us and you will be equipped with a well-balanced and broad set of transferable skills including practical research skills and the opportunity to present your research to your peers.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

### Research opportunities

We offer an MRes in Ancestral Studies.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/schools/humanities/ancestralstudies/research](https://glasgow.ac.uk/schools/humanities/ancestralstudies/research)

[glasgow.ac.uk/schools/humanities/ancestralstudies](https://glasgow.ac.uk/schools/humanities/ancestralstudies)

## Ancestral Studies

**MSc:** 12 months full-time;  
24 months part-time

**PgDip:** 9 months full-time;  
18 months part-time



Ancestral Studies is an interdisciplinary and innovative programme. Whether your interests lie in archaeology, history, material culture, heritage, museums or archives, this programme allows you to study across multiple disciplines, create your own curriculum and pursue self-directed unique research.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

This programme is comprised of two core courses and several optional courses.

#### Core courses

Research Methods for Ancestral Studies introduces you to the key research methodologies and practices. You will receive an introduction to skills such as working with archives and online genealogical resources, visual culture, heritage landscapes, museums and material culture. Emphasis is placed on the interpretation of primary sources.

Approaches to Ancestral Studies provides a conceptual framework for exploring core themes of the discipline. You will consider questions of identity (genetic and social), examine current trends in family history and heritage research and address questions of past generations and their experiences of place, language and material culture. You will be exposed to theoretical, critical and practical insights from across the arts, humanities and sciences to explore ancestry, relational identity, intellectual inheritance and memory works.

#### Optional courses

Optional courses may be taken from History, Archaeology, Celtic & Gaelic, and more.

#### Career prospects

The combination of practical and theory-based learning will equip you with a well-balanced and broad set of transferable skills. You will have practical research skills in primary and secondary sources (from artefacts to archives), the ability to critically evaluate sources, to debate and formulate your own arguments and theories, and to present your research to your peers.

Potential career paths include academic and commercial archaeology and a variety of positions in museums, galleries, archives and libraries, or in the growing ancestral tourism sector.

### Why choose Glasgow?


- This interdisciplinary degree programme is taught collaboratively by world-leading academics.
- This programme places an emphasis on building practical skills through professional masterclasses and skills workshops.

## ARCHAEOLOGY

Archaeology at the University of Glasgow is a vibrant community of students and staff working together and in partnership with a range of heritage organisations.

Archaeology has been taught at Glasgow for over 50 years and is recognised for its commitment to excellent teaching and research. It is ranked 1st in Scotland (Complete University Guide 2019). Our Masters programmes address practical, theoretical and scientific methodologies through a collection of seminars, work placements and fieldwork.

As a subject, we work across other disciplines including History, Classics, Geographical & Earth Sciences, American Studies, Celtic & Gaelic and Information Studies. Strong links with the University's museum and art gallery, The Hunterian, and numerous private and public organisations (eg Historic Environment Scotland, commercial heritage providers and practitioners) allow our students to gain field experience and benefit from a variety of visiting guest speakers.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

[glasgow.ac.uk/subjects/archaeology/postgraduate](https://glasgow.ac.uk/subjects/archaeology/postgraduate)

## Celtic & Viking Archaeology

**MLitt:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time; 18 months part-time

The Masters in Celtic & Viking Archaeology provides an introduction to both theory and practice in approaches to early medieval archaeology, based on our particular research strengths in the settlements and material culture of Celtic, Pictish and Viking peoples, and in the archaeology of kingship and political development.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will take two core courses and three optional courses. For the MLitt you will produce a dissertation on a specialist topic agreed with the course convener.

The core courses provide you with a theoretical background to the study of early medieval archaeology, examining themes such as burial, settlement and material culture.

#### Core courses

- Approaches to Celtic and Viking archaeology
- Research and professional skills.

#### Optional courses

Three optional courses must be selected, two of which come from the following:

- Themes in early medieval Scottish archaeology
- Early Christian monuments of Scotland
- Early medieval artefacts
- Viking and late Norse artefacts
- Norse in the North Atlantic, AD 800–1500
- Viking and late Norse British Isles.

You may also choose one of the following options from a cognate Masters by agreement with the course convener:

- Independent study
- Artefact studies
- Multimedia analysis and design or 2D digitisation.

#### Career prospects

Graduates have gone on to work for various heritage bodies such as the National Museum of Scotland, and for UK-based commercial archaeology firms.

Positions held by recent graduates include field archaeologist, open learning tutor, university lectureships and research managers.

The programme provides an excellent platform for you to move on to PhD studies and an academic career.

### Why choose Glasgow?

- Our new approaches to early medieval studies bring fresh insights into the life and ideas of the period and provide you with a stimulating environment, learning from internationally renowned scholars.
- You will have the opportunity to take field trips to a number of sites relevant to your studies.



## Conflict Archaeology & Heritage

**MLitt:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time; 18 months part-time

The Masters in Conflict Archaeology & Heritage specialises in the archaeological approaches to battlefields and other aspects of conflict archaeology.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

The taught programme consists of three core courses which will provide a general framework for the study of conflict archaeology and heritage, accompanied by three more specialised optional courses. For the MLitt you will produce a dissertation on a specialist topic agreed with your supervisor.

### Core courses

- Research and professional skills
- The art of war: concepts and theories
- Method and practice in conflict heritage.

### Optional courses

You need to choose three options in total; two options are selected from the following:

- Modern warfare
- British battlefields.

One option is selected from any of the specialist courses offered in the Archaeology, War Studies or other relevant programmes.

### Career prospects

The Centre for Battlefield Archaeology has an excellent track record of students going on to employment in universities, museums, commercial archaeology, government agencies, and archives both here and abroad. The MLitt has proved to be an excellent platform for progression into PhD studies at universities both in the UK and overseas.

### Why choose Glasgow?

- The programme is based within the Centre for Battlefield Archaeology, which is an internationally renowned centre of excellence for the study of conflict heritage and archaeology. The Centre is consistently engaged in high-profile fieldwork and research projects covering a wide geographical area and chronological span; the scope of research includes battlefields, memorialisation, military infrastructure, cultural resource management, etc.
- The programme encourages students to engage with the subject on a practical basis and involves field trips to a number of battlefields and other sites relevant to their studies.

## Material Culture & Artefact Studies

**MSc:** 12 months full-time;  
 24 months part-time

**PgDip:** 9 months full-time;  
 18 months part-time



Material culture and artefact studies combines the archaeological recovery and specialist examination of an object with its presentation, management and understanding within a cultural context.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

The taught component consists of core courses and optional courses, running over two semesters.

Assessment is normally focused on written performance, but oral presentation skills and other modes of assessment allow you to develop your writing skills in a number of formats. This is in addition to the practical emphasis on developing your ability to interpret and analyse artefacts.

For the MSc you can opt for a dissertation OR an extended work placement (assessed by work placement e-portfolio and a research report or a student exhibition design).

### Core courses

- Material culture in context
- The process of artefact studies.

### Optional courses may include:

- Lithic analysis
- Independent study
- Critical themes in the display and reception of objects
- Early medieval artefacts
- Viking and late Norse artefacts (AD 750–1350).

Optional courses drawn from Archaeology or from other programmes across the University can be taken by agreement with the programme convener.

### Career prospects

The two strands to the degree enable you to prepare for further doctoral research while also providing opportunities for valuable vocational experience via our substantial work placements. Past graduates have full-time positions in UK museums and in commercial archaeology units as well as Historic Environment Scotland. International graduates have found employment with the Smithsonian, and other US regional museums, like the Pink Palace Museum, Memphis.

### Why choose Glasgow?

- This MSc in Material Culture & Artefact Studies will prepare you to participate at both a practical and theoretical level within the field of specialist artefactual analysis.
- You will be able to undertake a work placement to gain valuable work experience in a museum, archaeological unit or other cultural institution.

## Research opportunities

We offer the following research study options:

**PhD, MLitt, MPhil and MRes.**

Our research areas include:

- Scottish archaeology, particularly in the Mesolithic and Neolithic periods and the Celtic, Pictish and Viking areas
- Prehistoric artefacts including textiles and clothing
- Mediterranean archaeology, from Spain to Turkey, from Bronze Age mining to postcolonial studies
- Historical archaeology
- Battlefield and conflict archaeology.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/archaeology](http://glasgow.ac.uk/research/opportunities/subjects/archaeology)

“The Material Culture & Artefact Studies programme provides a perfect introduction to the field of formal artefactual analysis.

“The flexible course structure allows for developing individual research interests that can be pursued in further study: my PhD proposal emerged directly from my independent study project and research report assignments.

“The opportunity to undertake a work placement not only directly contributed to my subsequent employment in a museum, but also provided me with professional contacts, who were invaluable in carrying out data collection for my PhD research.”

**Marta**

Material Culture & Artefact Studies (MSc)  
 graduate and current Archaeology (PhD) student



# BIODIVERSITY, ANIMAL HEALTH & COMPARATIVE MEDICINE


Biodiversity, Animal Health & Comparative Medicine combines expertise in animal biology and ecology with extensive knowledge of comparative and veterinary medicine.

Unique in the UK, the range of our research spans multiple biological levels, integrating:

- Molecules and cells
- Individuals
- Human populations and ecosystems.

Given the threats posed by environmental change and rapidly increasing human population, there's never been a more urgent need for a holistic approach.

With this belief in mind, we bring together rigorous quantitative analysis, appropriate theoretical frameworks and predictive modelling to help us understand the interdependence of animal and human populations, ecosystems and the environment.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Animal Welfare Science, Ethics & Law

MSc: 12 months full-time  
PgDip: 9 months full-time

Animal welfare science and ethics is an expanding topic of international concern, which is why the University of Glasgow offers an Animal Welfare MSc programme. It aims to improve our knowledge and understanding of animals' needs, which is required to provide a high standard of care to the whole range of animals kept in captivity.

 [mvls-awsel@glasgow.ac.uk](mailto:mvls-awsel@glasgow.ac.uk)

### Programme structure

#### Core courses

- Key research skills: Scientific communication; Introduction to R; Advanced linear models; Experimental design and power analysis
- Animal ethics
- Animal welfare science
- Legislation related to animal welfare
- Independent research project.

#### Optional courses may include:

- Enrichment of animals in captive environments
- Care of captive animals
- Biology of suffering
- Assessment of physiological state
- Freshwater sampling techniques
- Marine sampling techniques
- Invertebrate identification
- Vertebrate identification
- Molecular analyses for DNA barcoding and biodiversity measurement
- Phyloinformatics
- Conservation genetics and phylodynamics
- Infectious disease ecology and the dynamics of emerging disease
- Single-species population models
- Multi-species models
- Introduction to Bayesian statistics.

### Career prospects

You will be exposed to potential work places and can make valuable contacts with professionals in the welfare community. Where possible this is a two-way exchange in which communities are offered help with any issues they have and for which assistance may be provided in finding a solution (eg through independent research projects, supervised by university staff).

### Why choose Glasgow?

This programme is offered by the Institute of Biodiversity, Animal Health & Comparative Medicine (IBAHCM), a grouping of top researchers who focus on combining ecology and evolution with more applied problems in animal health.

## Conservation Management of African Ecosystems

MSc: Double Masters degree: 24 months full-time

This programme is a unique, double Masters programme implemented jointly with the Nelson Mandela African Institution of Science and Technology in Arusha, Tanzania. A key feature of the programme will be the opportunity to carry out an in-depth research project in Tanzania. Successful students will qualify with a Masters degree from the University of Glasgow and a Masters degree from the Nelson Mandela African Institution of Science and Technology.

 [mvls-cmae@glasgow.ac.uk](mailto:mvls-cmae@glasgow.ac.uk)

### Programme structure

The programme begins with two semesters of taught courses based at Glasgow, following which, and subject to acceptance by the Nelson Mandela African Institution of Science and Technology (NM-AIST), you will have the opportunity to undertake training and research in Tanzania. During this time you will be registered for 12 months with NM-AIST in Arusha, northern Tanzania. Successful completion of the full course will lead to the award of two Masters degrees – one from the University of Glasgow, and one from NM-AIST. NM-AIST will recognise the credits from the taught courses at Glasgow as part of the NM-AIST Masters degree. Students who successfully complete the taught parts of the course without completion of the research component may be awarded a PgDip from the University of Glasgow.

Please note that the programme structure is currently under review and those interested are strongly advised to contact us at: [mvls-cmae@glasgow.ac.uk](mailto:mvls-cmae@glasgow.ac.uk)

### Why choose Glasgow?

- This programme will provide insight into the principles of conservation management, biodiversity measurement, applied ecology, the human dimension of conservation and the epidemiology of diseases that threaten endangered species.
- It will develop your competence in study design, data analysis, scientific writing and communication skills in a quantitative and scientific context appropriate to enable independent research and publication of high-quality outputs, as well as communicating to a broader range of audiences (eg for government policy making and public outreach) and will train you in a range of specialised skills, techniques, practices and analyses required for state-of-the-art research and management in conservation biology.

## Ecology & Environmental Biology

MRes: 12 months full-time

This Master of Research (MRes) programme in Ecology and Environmental Biology provides research training for those wishing to enter a PhD programme or seeking a career in ecological science.

 [mvls-ecolbio@glasgow.ac.uk](mailto:mvls-ecolbio@glasgow.ac.uk)

### Programme structure

The MRes consists of a taught component and a laboratory or field-based research project in ecology and environmental biology. The emphasis is on research experience and training, with two-thirds of credits devoted to project work compared with one-third for a dissertation in an MSc programme. The taught courses consist of core research skills and specialist options in ecological modelling and analysis, molecular techniques, identification and sampling methods (see list of options for MSc Quantitative Methods in Biodiversity, Conservation & Epidemiology). You will carry out an extended two-part research project, chosen to reflect your own interests and the skills you wish to acquire. The MRes programme also strongly benefits from research opportunities in terrestrial and aquatic ecology at the University of Glasgow's Scottish Centre for Ecology and the Natural Environment.

### Career prospects

You will be provided with excellent training for entering a PhD programme or work in ecological consultancy, governmental agencies or conservation sectors. The MRes also serves as a valuable introduction to UK research for overseas students. There are considerable opportunities to undertake research work in the UK and overseas. MRes projects in the past have involved fieldwork in some of Scotland's most important natural environments, including Loch Lomond and the Trossachs National Park, the Outer Hebrides and Skye, or overseas in the Falkland Islands, Peru, Trinidad, Tobago, Egypt, Svalbard (Norway), Canada, the Azores (Portugal), the Cayman Islands and the Philippines.

### Why choose Glasgow?

- The Ecology & Environmental Biology postgraduate degree programme draws on the research of a large number of University staff and allows you the chance to obtain experience in a wide range of modern research techniques.
- There is considerable expertise in this area of biology available at Glasgow, especially in ornithology, fish biology, aquatic ecosystems, and theoretical, physiological, molecular and evolutionary ecology.



## Epidemiology of Infectious Diseases & Antimicrobial Resistance

**MSc:** 12 months full-time

Antimicrobial resistance (AMR) is arguably the world's greatest health challenge. It threatens our ability to control many infectious diseases of humans and animals, both in the developed world and middle and lower income countries, impacting not just health and welfare, but also our food production systems. The epidemiology of infectious diseases is key to tackling antimicrobial resistance. This programme will equip students with a broad skill set by combining training in epidemiological investigations, quantitative methods, laboratory-based approaches and bioinformatic tools, alongside the global ethical and legal contexts.

 [mvls-epidemiologyofinfndisease@glasgow.ac.uk](mailto:mvls-epidemiologyofinfndisease@glasgow.ac.uk)

### Programme structure

#### Core courses

- Key research skills
- Core skills in epidemiology of infectious disease
- Epidemiological aspects of AMR\*
- Genetic and genomic aspects of AMR\*
- Animal Welfare Science, Ethical and Legal (AWSEL) aspects of AMR\*
- Independent project in epidemiology of infectious diseases and antimicrobial resistance.

#### Optional courses may include:

- Diagnostic technologies and devices
- Programming in R
- Molecular epidemiology and phylodynamics
- Single species models
- Infectious diseases ecology and the dynamics of emerging diseases
- Multi-species models
- Introduction to Bayesian statistics
- Biodiversity informatics
- Molecular analyses for biodiversity conservation.

\* required for graduating with MSc in Epidemiology of Infectious Diseases & Antimicrobial Resistance.

### Career prospects

Students will be equipped to progress academically to PhD level or to pursue a career outside academia, for example in industry, or national and international health boards, policy and regulatory bodies (UK, devolved or international governments, National Health Service, Public Health England, Health Protection Scotland, National Institutes for Health, World Health Organization, Food and Agricultural Organization, World Organisation for Animal Health, Veterinary Medicines Directorate, etc).

### Why choose Glasgow?

This is a unique programme combining training in the epidemiology of infectious diseases and antimicrobial resistance that will provide students with multidisciplinary skills needed to address these global public and veterinary health challenges from biomedical, social or policy perspectives.

## Quantitative Methods in Biodiversity, Conservation & Epidemiology

**MSc:** 12 months full-time

**PgDip:** 9 months full-time

This programme provides specific training in data collection, modelling and statistical analyses as well as generic research skills. It is offered by the Institute of Biodiversity, Animal Health & Comparative Medicine (IBAHCM), a grouping of top researchers who focus on combining field data with computational and genetic approaches to solve applied problems in epidemiology and conservation.

 [mvls-qmbce@glasgow.ac.uk](mailto:mvls-qmbce@glasgow.ac.uk)

### Programme structure

#### Core courses

- Key research skills (scientific writing, introduction to R, advanced linear models, experimental design and power analysis)
- Spatial ecology and biodiversity
- Programming in R
- Independent research project.

#### Optional courses may include:

- Conservation genetics
- Biodiversity informatics
- Infectious disease ecology and the dynamics of emerging disease
- Single-species population models
- Multi-species models
- GIS for ecologists
- Introduction to Bayesian statistics
- Invertebrate identification
- Vertebrate identification
- Human dimensions of conservation
- Principles of conservation ecology
- Protected area management
- Animal welfare science
- Legislation related to animal welfare
- Enrichment of animals in captive environments
- Care of captive animals
- Biology of suffering
- Assessment of physiological state.

### Career prospects

You will gain core skills and knowledge across a wide range of subjects that will enhance your selection chances for competitive PhD programmes. In addition to academic options, career opportunities include roles in zoos, environmental consultancies, government agencies, ecotourism and conservation biology, and veterinary or public health epidemiology.

### Why choose Glasgow?

- The combined training in conservation and epidemiology is unique among Masters programmes in the UK.
- The programme is taught by top researchers in these disciplines and consistently achieves very high student satisfaction ratings.

## Research opportunities

We offer PhDs in the following research areas:

- Ageing, health and welfare
- Infectious disease
- Ecology
- Evolution
- Population and ecosystem health.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/subjects/bahcm/research](http://glasgow.ac.uk/subjects/bahcm/research)




# CANCER SCIENCES

At Glasgow we bring together scientists and clinicians to promote and develop the best in cancer research, drug discovery and patient care. We are ranked 1st in Scotland and 3rd in the UK for Medicine (Complete University Guide 2019).

We work together to:

- identify the molecular changes that cause cancer
- develop drugs targeted to these changes
- bring new therapies through preclinical and clinical trials.

The Cancer Research UK Glasgow Centre brings together scientists and clinicians from research centres, universities and hospitals around Glasgow to deliver the very best in cancer research, drug discovery and patient care. The Centre's world-leading teams have made major advances in the understanding and treatment of many cancers.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Cancer Sciences

MSc: 12 months full-time

This Masters in Cancer Sciences will prepare you for a career in cancer science, whether you aim to pursue a PhD or further medical studies, or seek a career in the health services sector or in the life sciences, biotechnology or pharmaceutical industries. Our programme takes a "bench to bedside" approach, enabling graduates to work within a multidisciplinary environment of world-leading scientists and cancer specialists to address the latest challenges in cancer research.

 [mvls-cancersci@glasgow.ac.uk](mailto:mvls-cancersci@glasgow.ac.uk)

### Programme structure

#### Semester 1

- Hallmarks of cancer.

#### Semester 2

In the second semester, you can choose from a range of optional courses, before taking the core course Designing a research project:

- Drug discovery
- Diagnostic technologies and devices
- Advanced nucleic acids
- Drug development and clinical trials
- Viruses and cancer
- Technology transfer and commercialisation of bioscience research
- Current trends and challenges in biomedical research and health
- Frontiers in cancer sciences
- Omics technologies for the biomedical sciences
- Clinical genomics
- Designing a research project: biomedical research methodology.

#### Semester 3

- Bioscience research project.

### Career prospects

The knowledge and transferable skills developed in this programme will be suitable for those contemplating a PhD or further medical studies; those wishing to work in the health services sector; and those interested in working in the life sciences, biotechnology or pharmaceutical industries, including contract research organisations (CROs). This programme is designed for those with undergraduate degrees in the life sciences, scientists working in the pharmaceutical and biotechnology industries, and clinicians and other healthcare professionals.

### Why choose Glasgow?

- You will be taught by a multidisciplinary team of world-leading cancer scientists and clinicians within the Cancer Research UK Glasgow Centre.
- This MSc in Cancer Sciences programme is unique in the UK as it delivers integrated teaching in molecular biology, pathology and clinical service.

## Research opportunities

We offer PhDs in the following research areas:

- Cancer biology and cell signalling
- Epigenetics
- Cancer stem cell biology
- Cancer imaging
- Chemoresistance in cancer
- Cancer and ageing
- Regulation of cancer cell death processes
- Genetics, genomics and systems medicine
- Immunotherapy for cancer
- Cancer clinical trials.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/cancer](https://glasgow.ac.uk/research/opportunities/subjects/cancer)




# CARDIOVASCULAR & MEDICAL SCIENCES

At Glasgow we bring together basic, translational and clinical research in cardiovascular and medical sciences. We are ranked 1st in Scotland and 3rd in the UK for Medicine (Complete University Guide 2019).

Our research groups are based in the purpose-built British Heart Foundation Glasgow Cardiovascular Research Centre, the West Medical Building, and the Royal Infirmary. Much of our teaching is delivered at the brand new Teaching & Learning Centre at the Queen Elizabeth University Hospital, which combines NHS, University and research sector expertise on a single site. These state-of-the-art facilities enable us to focus on a comprehensive research and teaching agenda.

Areas of expertise include:

- Cardiovascular sciences
- Stroke/cerebrovascular disease and care of the elderly
- Exercise physiology/sports medicine
- Clinical genetics/genomics.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Cardiovascular Sciences

**MSc (Med Sci):** 12 months full-time

Cardiovascular disease is projected to remain the single leading cause of death over the next two decades, accountable for considerable disability and reduction in quality of life. This Masters in Cardiovascular Sciences will include specialist training in the epidemiological nature of the disease, in combination with analysis of the cellular and molecular mechanisms that underlie its development.

 [mvls-cvsciences@glasgow.ac.uk](mailto:mvls-cvsciences@glasgow.ac.uk)

Please note that the programme structure is currently under review and those interested are strongly advised to contact us at the above email address.

### Programme structure

#### Core courses

- Clinical aspects of cardiovascular disease
- Established and novel research techniques
- Evidence-based research in medicine
- Medical statistics
- Topics in therapeutics: general topics and cardiovascular disease
- Topics in therapeutics: commonly used drugs
- Pharmacogenomic and molecular medicine: fundamentals of molecular medicine
- Pharmacogenomic and molecular medicine: applied pharmacogenomics and molecular medicine.

#### Optional courses may include:

- Basic science diabetes and vascular disease
- Clinical and research audit.

In addition to the taught courses you will take part in student-led critical review sessions where you will provide a critical appraisal of a scientific research paper taken from current literature. You will also take part in an introductory session on how to review a scientific paper, designed to give you experience of reading, summarising and presenting the findings of a scientific publication in a critical manner. In addition you will undertake a dissertation/project.

### Career prospects

Successful graduates will emerge equipped with the skills necessary for a career in the highly competitive field of cardiovascular research. Career opportunities include education, clinical translational cardiovascular research, public health bodies or commercial industrial research. Students who have completed this programme are currently employed in organisations such as the NHS, PhD programmes, academia and industry.

#### Why choose Glasgow?

- Cardiovascular research at the University of Glasgow has a research grant income of £50m.
- Research for the MSc in Cardiovascular Sciences is supported by the BHF, MRC, Wellcome Trust, CSO, BBSRC and the European Commission.

## Clinical Pharmacology

**MSc (Med Sci):** 12 months full-time;  
24 months part-time

This Clinical Pharmacology degree programme offers focused training which integrates basic and clinical sciences, and equips you with the essential skills required to function effectively as a clinical pharmacologist in the 21st century. As a student on the MSc Clinical Pharmacology programme, you will acquire core skills, enabling an appreciation of how to apply clinical pharmacological, regulatory and ethical principles to the optimisation of therapeutic practice and clinical research. Crucially, in addition to a firm grasp of the principles of molecular pharmacology, you will also gain foundational knowledge in the emerging science of pharmacogenomics and personalised medicine.

 [mvls-clinpharm@glasgow.ac.uk](mailto:mvls-clinpharm@glasgow.ac.uk)

### Programme structure

You will attend lectures, seminars and tutorials and take part in lab, project and team work.

#### Core courses

- Principles of pharmacology
- Drug disposition
- Pharmaceutical medicine
- Topics in therapeutics: general topics and cardiovascular drugs
- Topics in therapeutics: commonly used drugs
- Medical statistics
- Fundamentals of molecular medicine
- Applied pharmacogenomics and molecular medicine.

In addition you will undertake a dissertation/project.

### Career prospects

Career opportunities include positions in academia, healthcare and the pharmaceutical industry; returning to more advanced positions within a previous clinical environment (eg pharmacists, clinicians); and PhD study.

#### Why choose Glasgow?

- This MSc is based in a research-intensive environment steeped in Glasgow's rich history of clinical pharmacology. We specialise in large-scale, high-impact, international clinical trials and are leading developments in personalised medicine.
- This programme is one of only a select few in the UK with sufficient breadth and depth of expertise in clinical pharmacology to help support your career development in this field in the 21st century.

## Clinical Trials & Stratified Medicine

**MSc:** 12 months full-time

Stratified Medicine holds huge potential in the timely development of new treatments for human disease. It is among the most important concepts to emerge in 21st-century clinical science and will be a crucial component of the global drive to increase the efficacy, safety and cost-effectiveness of new treatments. This new taught postgraduate Masters programme draws on the current and future needs of the life sciences sector, to create a highly skilled workforce.

 [mvls-ctsm@glasgow.ac.uk](mailto:mvls-ctsm@glasgow.ac.uk)

Please note that the programme structure is currently under review and those interested are strongly advised to contact us at the above email address.

### Programme structure

You will undertake core courses which will account for 90 credits and a further 30 credits from options which will enable you to personalise your degree. You will also be offered a choice of project.

#### Core courses

- Topics in therapeutics: general topics and cardiovascular disease
- Pharmacogenomics and molecular medicine: fundamentals of molecular medicine
- Research methods and statistics
- Evidence-based research in medicine
- Clinical trials: principles and methods.

#### Optional courses may include:

- Pharmacogenomics and molecular medicine: applied pharmacogenomics and molecular medicine
- Topics in therapeutics: commonly used drugs
- Pharmaceutical medicine
- Medical statistics 2
- Introduction to clinical and research laboratory management
- Drug disposition.

You will also undertake a project and assessment.

### Career prospects

Career opportunities may include positions in the commercial life sciences sector, or for PhD study in an academic or combined commercial/academic environment.

#### Why choose Glasgow?

- The programme will cover the principles which underpin the emerging science at the interface between genetics and pharmacology and the clinical evaluation of the resultant new medicines, taught by internationally recognised experts.
- The aim of this programme is to train researchers who can break down the barriers that currently prevent discoveries at the bench from being translated into treatments at the bedside.

[glasgow.ac.uk/subjects/cms/postgraduate](https://glasgow.ac.uk/subjects/cms/postgraduate)



## Diabetes

**MSc (Med Sci):** 12 months full-time

In response to the global epidemic in obesity and diabetes the University of Glasgow has developed this MSc in Diabetes. To address the immense challenge presented by this disease, it is essential that the researchers and medical practitioners of tomorrow understand the cutting-edge advances and technologies to tackle diabetes.

[e mvls-diabetes@glasgow.ac.uk](mailto:mvls-diabetes@glasgow.ac.uk)

Please note that the programme structure is currently under review and those interested are strongly advised to contact us at the above email address.

### Programme structure

The programme is made up of eight compulsory courses: two are of 20 credits and six are of 10 credits. In addition, you will select two optional 10-credit courses from a choice of four in the second semester. You will also be offered a choice of dissertation/research project of 60 credits.

#### Core courses

- Clinical aspects of diabetes
- Cardio-metabolic disease
- Basic science of diabetes and vascular disease
- Topics in therapeutics 1
- Human physiological and metabolic assessment
- Established and novel technologies in cardiovascular and medical sciences research
- Evidence-based research in medicine
- Statistics 1.

#### Optional courses

- Clinical and research audit
- Statistics 2
- Applied research in human nutrition and metabolism
- Disease screening in populations.

In addition, you will undertake a dissertation. You will undertake an independent piece of research under the supervision of a project supervisor. Projects may take a number of different formats including a literature review, meta-analysis, data audit or secondary analysis, laboratory-based project, or clinical/human volunteer-based investigation.

#### Career prospects

Graduates may wish to pursue a career in diabetes clinical research. Other opportunities are available in education, public health and professions allied to medicine. The MSc in Diabetes also provides an excellent basis to pursue PhD-level research.

#### Why choose Glasgow?

This is one of the only MSc in Diabetes programmes focused entirely on research rather than healthcare management. You will be taught by world-leading clinicians and scientists.

## Sport and Exercise Science & Medicine

**MSc:** 12 months full-time; 24 months part-time

This programme will provide you with an advanced, research-led programme of study in sport and exercise science and medicine. Its flexibility enables you to specialise in physical activity and health, sports performance, or sports medicine.

[e mvls-sesm@glasgow.ac.uk](mailto:mvls-sesm@glasgow.ac.uk)

### Programme structure

The programme is made up of 60 compulsory credits, 3 x 20 credit options (X, Y and Z) and a research project (60 credits).

#### Core courses

- Evidence-based research in medicine
- Medical statistics
- Physiological exercise testing 1: aerobics fitness and physical activity
- Physiological exercise testing 2: strength, power and intensity domains
- Human physiological and metabolic assessment.

#### Optional courses

Choose one X option, one Y option and one Z option.

#### Option courses X

- Physical activity and health: public health, policy and behaviour changes
- Sports injuries: scientific basis of prevention and rehabilitation
- Clinical sports injuries.

#### Option courses Y

- Physical activity and health: biological mechanisms
- Ergogenic aids for exercise performance
- Sport and exercise medicine in practice.

#### Option courses Z

- Cellular and molecular exercise physiology
- The world-class athlete: nature, nurture and maximising performance
- Exercise in clinical populations.

#### Career prospects

The flexibility of this programme will provide you with many career opportunities. These include working in clinical exercise, health promotion or sports science support. A number of our graduates are employed in senior sports science positions with national sporting bodies and professional sports clubs.

#### Why choose Glasgow?

- This is the only MSc in Sports Science in Scotland that merges Sport and Exercise Medicine and Sport and Exercise Science within a single degree programme, providing a broad range of options across these disciplines.
- You will benefit from access to the facilities and resources of the National Stadium Sports, Health and Injury Clinic at Hampden Park – a custom-built, state-of-the-art sports medicine facility.

## Sport and Exercise Science & Medicine (online)

**MSc:** 36 months part-time;  
**PgDip:** 24 months part-time;  
**PgCert:** 12 months part-time

This online programme will provide you with an advanced, research-led programme of study in sport and exercise science and medicine. Its flexibility enables you to specialise in physical activity and health, sports performance, or sports medicine.

[e mvls-sesm@glasgow.ac.uk](mailto:mvls-sesm@glasgow.ac.uk)

### Programme structure

The programme will involve online lectures, seminars and tutorials, and a residential week at the end of year 1.

The programme is made up of 60 compulsory credits and 3 x 20 credit options (X, Y and Z) plus a research project (60 credits).

#### Core courses

- Evidence-based research in medicine
- Medical statistics
- Physiological exercise testing 1: aerobics fitness and physical activity
- Physiological exercise testing 2: strength, power and intensity domains
- Human physiological and metabolic assessment.

#### Optional courses

Choose one X, one Y and one Z option.

#### Option courses X

- Physical activity and health: public health, policy and behaviour changes
- Sports injuries: scientific basis of prevention and rehabilitation
- Clinical sports injuries.

#### Option courses Y

- Physical activity and health: biological mechanisms
- Ergogenic aids for exercise performance
- Sport and exercise medicine in practice.

#### Option courses Z

- Cellular and molecular exercise physiology
- The world-class athlete: nature, nurture and maximising performance
- Exercise in clinical populations.

#### Career prospects

Career opportunities include working in clinical exercise, health promotion or sports science support. Some of our graduates are employed in senior sports science positions with national sporting bodies and professional sports clubs.

#### Why choose Glasgow?

This is the only MSc in Sports Science in Scotland that merges Sport and Exercise Medicine and Sport and Exercise Science within a single degree programme, providing a broad range of options across these disciplines.

## Stratified Medicine & Pharmacological Innovation

**MSc:** 12 months full-time

Stratified Medicine holds huge potential in the timely development of new treatments for human disease. It is among the most important concepts to emerge in 21st-century clinical science and will be a crucial component of the global drive to increase the efficacy, safety and cost-effectiveness of new treatments. This taught postgraduate Masters programme draws on the current and future needs of the life sciences sector, to create a highly skilled workforce, and is being developed in conjunction with the industrial partners of the Stratified Medicine Scotland Innovation Centre (SMS-IC).

[e mvls-smipi@glasgow.ac.uk](mailto:mvls-smipi@glasgow.ac.uk)

### Programme structure

This MSc degree, funded by the Scottish Funding Council, is awarded jointly by the Universities of Glasgow, Aberdeen and Strathclyde. Courses included in this programme are delivered by these three institutions as well as the Universities of Dundee and Edinburgh. You will be offered a choice of base institution, either Glasgow or Aberdeen.

#### Scientific basis of stratified medicine

- Small molecule drug discovery
- Biological drug discovery
- Pharmacogenomics and molecular medicine.

#### Commercialisation of science

- Introduction to bio-business
- Advanced bio-business
- New venture creation
- Regulation and governance of new therapies.

#### Application of research and evaluation of new technologies

- Clinical trials: principles and methods
- Applied statistics with routine health datasets
- Spatial epidemiology
- Applied health economics.

#### Career prospects

Graduates will be able to pursue careers in a variety of academic and industrial areas including clinical research, preclinical lab-based research, business development with expert knowledge in life sciences and bioinformatics/biostatistics.

#### Why choose Glasgow?

- You will be given the unique opportunity to undertake an industry placement as their main project. This fantastic opportunity will be offered by partner commercial organisations/companies and universities.
- The programme will cover aspects of commercial innovation and entrepreneurial skills, together with the principles which underpin the emerging science at the interface between genetics and pharmacology.



## Translational Medicine

**MRes:** 12 months full-time of a 48-month full-time PhD

This Masters in Translational Medicine is the first year of a British Heart Foundation four-year PhD studentship: it is not offered as an individual programme of study.

 [stephanie.lavery@glasgow.ac.uk](mailto:stephanie.lavery@glasgow.ac.uk)

### Programme structure

The programme is part of a four-year PhD with the first year being an MRes. The MRes is made up of three individual 12-week research placements after an intensive two-week induction. Each project will be based on different themes with three different supervisors. Years 2–4 make up the PhD portion of the programme.

### Induction

You will be required to attend an in-depth introductory programme, which will provide training in research ethics, statistics, project design, literature review and laboratory safety techniques.

### Placements

The induction is followed by three individual research placements. These are at the core of this programme, providing three separate projects to allow you to define your areas of interest for your PhD studies. Each placement is a 12-week project and this will be with three different principal supervisors. You will be encouraged to choose placements beyond your undergraduate subject experience to maximise your exposure to new techniques and science. Supervisors are drawn from a wide range of academic disciplines, such as medicine, biomedical and life sciences, mathematics, electronics and electrical engineering, and veterinary medicine.

### Career prospects

You will be taught the practical laboratory skills needed to pursue a career in basic translational medicine and applied science through research projects. After successfully completing year 1, you will be awarded an MRes, and progress to a PhD. The programme produces fully trained scientists ready for progression to academic or industrial careers.

### Why choose Glasgow?

- The programme will provide you with the skills needed to assess critically recent advances in biology relevant to human disease.
- It covers the areas of cardiovascular medicine, inflammation and immunology, neuroscience, mathematics, bioinformatics and cell biology, and advances in fundamental biomedical science relevant to integrative mammalian biology.

## Research opportunities

We offer PhDs in the following research areas:

- Cardiac research
- Vascular research
- Metabolic disease and diabetes research
- Renal research
- Stroke research
- Omics research.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/subjects/cms/research](http://glasgow.ac.uk/subjects/cms/research)

## CELTIC & GAELIC

Celtic & Gaelic at Glasgow brings together the teaching and research of the ancient, medieval and modern periods in the Celtic languages of Scottish Gaelic, Irish and Welsh.

Celtic Studies at Glasgow is ranked 1st in Scotland and 3rd in the UK (Complete University Guide 2019). 83% of Celtic & Gaelic research overall was classed as world-leading or internationally excellent in REF 2014.

Our primary interests are in:

- Scottish Gaelic and Irish language and literature
- Medieval Celtic literatures and history.

With links to archaeology, history and modern languages and cultures, we can provide you with a unique opportunity to study a range of fascinating languages and cultures.

Gaelic has been taught at the University of Glasgow since the end of the 19th century and the Chair of Celtic was established in 1956. In addition, and reflecting the University's commitment to the language, we are the only university to have an established Chair of Gaelic.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Celtic Studies (MLitt)

**MLitt:** 12 months full-time; 24 months part-time

This programme is an interdisciplinary programme specialising in the medieval Celtic languages, literature, history and archaeology covering the whole span of the Middle Ages from the 6th to the 16th centuries.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will take two core courses, choose two optional courses (one per semester) and study one or more Celtic languages. You will also produce a 12,000–15,000 word dissertation on a specialist topic.

### Core courses

- Skills and scholarship in Celtic studies
- Themes and debates in Celtic studies.

You will also take a course in one of the medieval Celtic languages at introductory or advanced level. You may, if appropriate, take a course in Scottish Gaelic instead.

- Introduction to Early Gaelic (Old and Middle Irish)
- Introduction to Middle Welsh.

### Optional courses may include:

- Celtic art: An interdisciplinary approach
- Celtic place-names of Scotland
- Critical issues in early Gaelic literature
- Finn in Gaelic literature
- Gaelic in Scotland: the history of a language, 1400–1914
- Literacy in Celtic culture and society: an interdisciplinary approach
- Picts: an interdisciplinary approach
- Seinn sa Ghàidhlig: Gaelic song in performance
- Special option (semester 1 or 2). This is a course of guided reading, directed by a specialist in a field of your choice, designed to produce a research essay of around 5,000 words.

You may alternatively, with the approval of the programme organiser, take a taught course from a related Masters programme or take another language course.

### Career prospects

Graduates have secured jobs in academia, museums and government heritage bodies; publishing and book marketing; primary and secondary teaching, and teaching English as a foreign language abroad.

The programme also provides an excellent platform for you to move on to PhD studies.

### Why choose Glasgow?

- This programme is suitable whether you have a Celtic Studies degree or you come from a related subject such as history, literature or archaeology.
- This programme will provide you with a highly stimulating environment, learning from internationally renowned scholars.

[glasgow.ac.uk/subjects/celticgaelic/postgraduate](http://glasgow.ac.uk/subjects/celticgaelic/postgraduate)

For entry requirements, see page 30. For fees and funding, see page 32.



## Celtic Studies (MRes)

MRes: 12 months full-time; 24 months part-time

This Masters in Celtic Studies is a one-year research degree with taught elements. It is an interdisciplinary programme that will allow you to pursue a personalised curriculum, drawing on modern and medieval Celtic languages (eg Gaelic, Old Irish, Medieval Welsh), literatures, history and cultures.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

This programme consists of taught options and a dissertation.

You will choose either:

- 60 credits of taught courses and a 120-credit dissertation (written in English or Gaelic), or
- 80 credits of taught courses and a 100-credit dissertation (written in English or Gaelic).

Taught courses are selected from the Celtic and Gaelic menu (including the MLitt core courses, language courses, and special options), or subject to approval, from the menus of cognate subject areas. The programme convener and your dissertation supervisors will work with you to plan your unique curriculum.

### Career prospects

Graduates may go into jobs with museums and government heritage bodies. The programme also provides an excellent platform for you to move on to PhD studies and an academic career.

### Why choose Glasgow?

- You will study with world-leading scholars, within a vibrant postgraduate community, in the stimulating environment of Celtic and Gaelic.
- You can take advantage of the highly flexible programme structure to create a curriculum that is tailored to your needs and interests. This is a suitable Masters degree for those with an undergraduate degree in Celtic Studies.

## Research opportunities

We offer the following research study options:

PhD, MLitt, MPhil, MRes.

Our research areas include:

- Modern and medieval Celtic languages
- Literature and cultures, especially modern Scottish Gaelic and Irish language and linguistics
- Modern Scottish Gaelic literature, 18th–21st centuries
- Gaelic linguistics
- Medieval Celtic literatures, especially Early Irish/Gaelic and Middle Welsh
- Textual cultures of the medieval Celtic-speaking areas
- Medieval Celtic art
- Celtic place-names of Scotland.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/celticgaelic](http://glasgow.ac.uk/research/opportunities/subjects/celticgaelic)

## CENTRAL & EAST EUROPEAN STUDIES

Glasgow has a long history of research excellence related to the former socialist countries of Central and Eastern Europe.

The Department for the Study of the Social and Economic Institutions of the USSR was established at Glasgow in the late 1940s and since then we have also been the home of *Europe-Asia Studies* (formerly *Soviet Studies*), the principal academic journal in the world focusing on the history and current political, social and economic affairs of the countries of the former “communist bloc” of the Soviet Union, Eastern Europe and Asia.

In the 2014 REF exercise we were ranked 1st in Scotland for Area Studies, with 75% of outputs and 80% of impact assessed to be internationally excellent or world-leading. Our areas of specialism include:

- Economics
- Politics
- Sociology
- History
- Slavonic studies and languages such as Czech, Polish and Russian.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Central & East European, Russian & Eurasian Studies (Erasmus Mundus International Master)

IntM: 24 months full-time

This innovative international programme offers you the unique opportunity to undertake study (in English) and research in at least three different countries at our renowned partner institutions, culminating in the award of a multiple degree according to your chosen pathway.

 [clair.clarke@glasgow.ac.uk](mailto:clair.clarke@glasgow.ac.uk)

### Programme structure

The programme is structured around three predefined mobility periods at three different universities across Europe, Russia and Eurasia.

#### Year 1

Semester 1 – University of Tartu

Semester 2 – University of Glasgow. You will select a specialist pathway.

- Central and East European studies
- Russian studies
- Eurasian studies.

#### Year 2

Semester 1

Partner institution will depend on your pathway.

Central and East European studies:

- Corvinus University of Budapest
- Jagellonian University, Kraków
- National University of Kyiv-Mohyla Academy.

Russian studies:

- Lobachevsky State University of Nizhni Novgorod.

Eurasian studies:

- KIMEP University, Almaty
- Ilia State University, Tbilisi.

Semester 2

You will continue on the mobility pattern started in semester 1 and complete a dissertation under the principal supervision of the pathway partner institution, with Glasgow and Tartu as co-supervisors.

### Career prospects

You will be prepared for careers in policymaking in government, foreign ministries, the EU, intergovernmental organisations and non-governmental organisations. Other career opportunities include higher education and business.

### Why choose Glasgow?

- If you are interested in the challenges faced by the states and societies of Central and Eastern Europe and their place within the new global security order, this two-year programme is for you.
- Opportunities for placements at external organisations are included under each pathway.

[glasgow.ac.uk/subjects/cees/postgraduate](http://glasgow.ac.uk/subjects/cees/postgraduate)



## Russian, East European & Eurasian Studies (MSc)

**MSc:** 12 months full-time; 24 months part-time

This programme is an advanced study of historical and contemporary developments in the economy, politics, culture and society of Russia and the countries of Eastern Europe and Eurasia.

 [clair.clarke@glasgow.ac.uk](mailto:clair.clarke@glasgow.ac.uk)

### Programme structure

You will take four core courses and one optional course, as well as complete a dissertation as a piece of independent research.

You will select a specialist pathway which includes a core course and a language (choices vary depending on your pathway).

### Core courses

All pathways:

- Issues in Russian, East European and Eurasian studies
- Research methods for studying Russia, Eastern Europe and Eurasia.

Central and East European studies:

- Geopolitics of Central and Eastern Europe OR Statehood and nationality in Central and Eastern Europe
- Language options: Czech, Hungarian OR Polish.

Russian studies:

- Gender and identity in Soviet and Post-Soviet Russia OR Russian foreign policy
- Language: Russian.

Eurasian studies:

- Contested states: The South Caucasus after 1991 OR Rethinking Central Asian security
- Language options: Russian OR Chinese.

A wide selection of optional courses are available each year.

### Career prospects

Many of our graduates have gone on to establish careers as lecturers and researchers at universities in the UK and Europe or have become secondary school teachers. Other recent employers include BBC World Service, British Army, British Council, Centre for Defence Information (Moscow), European Policies Research Centre, Jamestown Foundation (Washington DC), KPMG and the Ministry of Defence, UK.

### Why choose Glasgow?

- This programme is for those planning careers in major public, commercial and voluntary institutional settings who wish to acquire a specialised knowledge of Central and Eastern Europe and proficiency in one of the region's languages.
- Language and other study trips to the region are available.

## Russian, East European & Eurasian Studies (MRes)

**MRes:** 12 months full-time; 24 months part-time

The programme offers ESRC accredited training in language-based area studies, as well as advanced training in qualitative and quantitative methods; specialised area studies research training; and language training in one of the region's languages.

 [clair.clarke@glasgow.ac.uk](mailto:clair.clarke@glasgow.ac.uk)

### Programme structure

You will take four core courses and submit a 12,000–15,000 word dissertation.

### Core courses

- Language (Czech, Hungarian, Polish, Russian)
- Qualitative methods for social scientists
- Quantitative data analysis
- Research design.

### Career prospects

Many of our graduates have gone on to establish careers as lecturers and researchers at universities in the UK, Norway, Greece, Italy and Poland or have become secondary school teachers. Some have also gone on to pursue research and policymaking careers with government, business and international organisations.

### Why choose Glasgow?

- The programme is intended for those who wish to pursue a research-based career in the region, with or without the completion of a PhD.
- Annual scholarships are available for the language-based area studies pathways on a 2+3 (MRes + intensive language training to advanced level + PhD), 1+3 (MRes or intensive language training to advanced level + PhD) and +3 (PhD only) models, depending on your prior qualifications.

## Russian Language

**PgDip:** 12 months full-time

**PgCert:** 9 months full-time

This is an intensive programme in Russian language for graduates in other subjects who would find a thorough knowledge of Russian an asset in their chosen field. It is ideal for those who have no prior knowledge of the language.

 [shamil.khairov@glasgow.ac.uk](mailto:shamil.khairov@glasgow.ac.uk)

### Programme structure

The programme combines classroom-based teaching and online distance learning in intermediate-level Russian language. Teaching comprises four distinct elements or blocks, imparting grammar, reading, translation and oral skills.

### Core courses

- Certificate course in Russian language
- Russian for social scientists (beginners)
- Writing project on Russia.

### Career prospects

Students who intend to work in Russia or need Russian in relation to their work will receive appropriate provision of language in connection with their specific area-based knowledge. Graduates have gone into teaching, commerce, financial services, translating, postgraduate study and other occupations.

### Why choose Glasgow?

- This programme is designed as preparation for employment related to Russia or the Russian-speaking countries of the Commonwealth of Independent States (CIS); or research activities in history, sociology, politics and economy that deal with Russia and CIS-related themes.
- You will benefit from a period of study abroad at a partner institution in the Russian Federation or another country where Russian is spoken.

## Russian for Social Scientists

**PgDip:** 12 months full-time

**PgCert:** 9 months full-time

This is an intensive programme for graduates in other subjects who already possess basic proficiency in Russian but require a more thorough grounding in the language specifically for the purpose of conducting social scientific research dealing with Russia and/or the Commonwealth of Independent States (CIS).

 [shamil.khairov@glasgow.ac.uk](mailto:shamil.khairov@glasgow.ac.uk)

### Programme structure

The programme combines classroom-based teaching and online distance learning in intermediate-level Russian language. Teaching comprises four distinct elements or blocks, imparting grammar, reading, translation and oral skills.

### Core courses

- Analysis of Russian social science text
- Certificate course in Russian for social scientists
- Intermediate Russian language.

### Career prospects

Graduates have gone into teaching, commerce, financial services, translating, postgraduate study and other occupations.

### Why choose Glasgow?

- The programme is designed to enable you to acquire sufficient linguistic knowledge and translating skills to be able to read and retrieve information from a variety of texts in the original language, including those related to social sciences, and to deepen your existing knowledge of Russian realia.
- You will benefit from a period of study abroad at a partner institution in the Russian Federation or another country where Russian is spoken.

### Research opportunities

We offer PhDs in the following research areas:

- Accessing accession: Central and Eastern Europe in the EU
- Baltic research
- History, legacy and social transformation
- Identity, culture and welfare.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/cees](http://glasgow.ac.uk/research/opportunities/subjects/cees)



# CHEMISTRY

Glasgow has fostered the talents of four Nobel Prize winners in the study of chemistry.

Chemistry at Glasgow combines superb facilities with world-leading research groups covering all aspects of chemistry as well as the interfaces with biology, materials science and physics. Our outstanding research has led to the University of Glasgow being ranked 4th in the UK for Chemistry in the 2014 REF.

The School of Chemistry is also a member of ScotCHEM, which brings together seven universities in Scotland. ScotCHEM is committed to excellence and to providing the highest-quality postgraduate education and researcher experience.

Our research spans a wide range of areas including:

- Chemical biology and medicinal chemistry
- Complex chemistry
- Dynamics and structure
- Energy conversion and storage
- Heterogeneous catalysis
- Nanoscience.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Chemistry

MSc: 12 months full-time

The Masters in Chemistry will extend your depth and breadth of knowledge in all branches of chemistry, suitable for a professional chemist capable of conducting research.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

From September to March, you will attend lectures and tutorials. You will undertake a 12-week research project from June to August, which will provide practical application and consolidation of earlier work, enhance your ability to do independent work and present results effectively.

### Core courses

- Chemistry problems
- Frontiers of chemistry
- Inorganic, organic and physical chemistry
- Special topics from inorganic, organic and physical chemistry.

### Career prospects

Career opportunities include the chemical or pharmaceutical industry, from bench work and instrumentation to regulatory affairs, health and safety, and intellectual property/patents. Research-related jobs usually require a PhD, for which this programme provides an ideal preparation.

### Why choose Glasgow?

- Ranked 8th in the UK (Complete University Guide 2019), Chemistry at Glasgow continues to meet student expectations combining both teaching excellence and a supportive learning environment.
- All of our Masters programmes in the School of Chemistry are accredited by the Royal Society of Chemistry.

## Chemistry with Medicinal Chemistry

MSc: 12 months full-time

The Masters in Chemistry with Medicinal Chemistry will extend the depth and breadth of your knowledge in all branches of chemistry with some specialisation in medicinal chemistry. This programme is suited to those wishing to become professional chemists capable of conducting research.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

From September to March, you will attend lectures and tutorials. You will undertake a 12-week research project from June to August, which will provide practical application and consolidation of earlier work, enhance your ability to do independent work and present results effectively.

### Core courses

- Chemistry problems
- Frontiers of chemistry
- Inorganic, organic and physical chemistry
- Medicinal chemistry
- Special topics from inorganic, organic and physical chemistry.

### Career prospects

Career opportunities in the chemical or pharmaceutical industry, from bench work and instrumentation to regulatory affairs, health and safety, and intellectual property/patents. Research-related jobs usually require a PhD, for which this programme provides an ideal preparation.

Graduates of this programme have gone on to positions as researchers in pharmaceutical companies and universities.

### Why choose Glasgow?

- Ranked 8th in the UK (Complete University Guide 2019), Chemistry at Glasgow continues to meet student expectations combining both teaching excellence and a supportive learning environment.
- You will benefit from our links with industrial scientists, often from pharmaceutical companies, who regularly visit the School of Chemistry to give presentations.

## Research opportunities

We offer the following research study options: PhD, MRes.

Our research areas include:

- Chemical biology and medicinal chemistry
- Complex chemistry
- Dynamics and structure
- Energy conversion and storage
- Heterogeneous catalysis
- Nanoscience.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/chemistry](http://glasgow.ac.uk/research/opportunities/subjects/chemistry)



# CLASSICS

Classics has been central to the University of Glasgow since its foundation in 1451 and today has a vibrant research community.

Our key areas of research are:


- Politics (including oratory)
- Ancient drama (Greek and Roman, with particular expertise in comedy)
- Ancient science and technology (including medicine).

Classics at Glasgow is a world-leading centre for the study of Roman oratory. Our scholars are also current in fields as diverse as religion, historiography, education and late antiquity. We have active research projects on the reception of the classical world from the Middle Ages onwards.

In addition, there is the opportunity to begin or continue Ancient Greek or Latin.

There are a number of attractions to studying for a postgraduate degree in Classics at Glasgow, from the well-stocked University Library, to the University's museum and art gallery, The Hunterian (with its notable fine coin collection), to a major centre in humanities computing. There is also a dedicated Classics postgraduate study space and library. You may also have the opportunity to interact with collaborative research projects in our key areas of activity.

If you study with us, you will develop a broad range of intellectual and transferable skills.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Ancient Cultures

MLitt: 12 months full-time;  
24 months part-time



This programme offers you the opportunity to explore the ancient world from a multicultural and interdisciplinary perspective from the Near East to north-western Europe. It is based in Classics, with the participation of Archaeology, Egyptology, Celtic & Gaelic, and Theology & Religious Studies.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

The ancient world was both multicultural and highly interconnected, with trade routes running from the Middle East through Greece and Italy to Celtic Britain, with peoples of diverse cultures, faiths and ethnicities living together in bustling cities such as Athens, Rome and Alexandria.

#### Core courses

- Approaching the Ancient World through text
- Approaching the Ancient World through material culture.

Both core courses include handling sessions with ancient objects, taking advantage of the unique resources of the University of Glasgow in the shape of the University Library, The Hunterian and Glasgow Museums Resource Centre.

#### Optional courses may include:

- Languages at all levels: Ancient Greek, Latin, Early Gaelic, Welsh, Hebrew, Ancient Egyptian (hieroglyphs), Coptic
- Democracy and government in the ancient world
- Explorations in the classical tradition
- Rituals, feasts and festivals: power, community and consumption in the East Mediterranean and the Near East
- Mediterranean landscapes
- Climate and civilisation
- Celtic art
- Jewish contexts of early Christianity
- Early church history and theology
- Ancient Egyptian art and archaeology.

You must take courses from at least two subject areas. Please note that you can study only one language at beginner's level.

You will also complete a dissertation of 12,000–15,000 words on a research topic of your choice.

### Career prospects

The programme provides excellent technical and linguistic skills for further postgraduate study in any of the subjects involved. It is also well suited to those considering a career in heritage, teaching, archives or libraries.

#### Why choose Glasgow?

- The programme makes extensive use of the unique collections in Glasgow museums.
- Hands-on sessions in a range of museums and libraries can be tailor-made to suit your interests.

## Classics

MLitt: 12 months full-time; 24 months part-time

This Masters programme enables you to acquire and develop skills as an independent researcher in the field of classics. We offer a broad range of options which can either be used to construct a self-contained programme of study or act as the springboard for doctoral research.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

#### Core courses

- Research training.

#### Optional courses may include:

- Thucydides
- Explorations of the classical tradition
- Ancient drama
- Democracy and governance.

Options are available via both linguistic and non-linguistic pathways.

You can also take courses in elementary and advanced Greek and Latin languages.

It may be possible to take Masters-level courses offered by other subject areas in the College of Arts.

### Career prospects

You will develop a broad range of intellectual and transferable skills that employers are looking for. Graduates have found careers in teaching, librarianship and the heritage sector. Over half of our Masters students proceed to PhD. Glasgow PhD graduates currently hold university posts in the UK, Europe, USA and Africa.

Positions held by recent graduates include university teacher, business archive cataloguer, policy and governance manager, market research coordinator and underwriter.

#### Why choose Glasgow?

- You will have the opportunity to begin or continue the study of Latin or Greek, enabling those who have not had a "traditional" classical education to acquire linguistic skills necessary for progression to higher research in classics.
- The programme draws on the University's rich holdings of ancient material culture (particularly coins) and manuscripts where appropriate.

## Research opportunities

We offer the following research study options:

PhD, MLitt, MPhil, MRes.

Our key areas of research are:

- Greek and Roman drama (with particular strength in comic drama)
- Greek and Roman politics (with particular strength in oratory)
- Ancient science and technology (including medicine).

We also have strengths in:

- Education
- Historiography
- Late antiquity
- Reception of classical antiquity
- Religion.

If you are interested in applying, do not hesitate to make contact with a potential supervisor to develop your proposal before you apply. Members of staff are always delighted to discuss potential projects.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/classics](https://glasgow.ac.uk/research/opportunities/subjects/classics)




# COMPUTING SCIENCE

Glasgow is ranked second in Scotland for Computer Science (Complete University Guide 2019).

Since 1957, when Glasgow became the first university in Scotland to have an electronic computer, we have built a reputation for the excellence of our Computing Science research and our graduates. Today, our School of Computing Science is one of the UK's leaders in the field, setting itself the highest standards in research, and research-led learning and teaching.

Postgraduate students benefit from the best possible support and supervision and, upon graduating, they are well qualified to take up key posts in industry and academia.

Glasgow's prestige in the area of Computing Science has also gained worldwide recognition, ranking in the top 100 universities in the world (QS World University Rankings for Computer Science & Information Systems 2018).

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Computing Science

**MSc:** 12 months full-time; 24 months part-time

The Masters in Computing Science provides you with a thorough grounding in professional software development, together with experience of conducting a substantial development or research project, preparing you for responsible positions in the IT industry.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Computing Science include lectures, seminars and tutorials, and allow you the opportunity to take part in lab, project and team work.

#### Core courses

- Research methods and techniques
- Masters project.

#### Optional courses may include:

- Advanced networking and communications
- Advanced operating systems
- Algorithmics
- Artificial intelligence
- Big data: systems programming and management
- Computer architecture
- Computer vision methods and applications
- Cyber security forensics
- Cyber security fundamentals
- Distributed algorithms and systems
- Enterprise cyber security
- Functional programming
- Human-computer interaction
- Human-computer interaction: design and evaluation
- Human-centred security
- Information retrieval
- Internet technology
- IT architecture
- Machine learning
- Mobile human-computer interaction
- Modelling reactive systems
- Safety critical systems.

Depending on staff availability, the optional courses listed here may change.

#### Career prospects

Graduates of this programme have gone on to work for companies such as JP Morgan Chase, Alliance, Airwave, senseFly and Sky UK. Positions include software developer, IT trainee, teacher and lab demonstrator.

#### Why choose Glasgow?

- This programme is accredited by the British Computer Society (BCS). Graduates of this programme are recognised by the Chartered Institute for IT.
- This programme has been awarded the Euro-Info Master Label.

## Data Science

**MSc:** 12 months full-time; 24 months part-time

The Masters in Data Science is a specialist version of the MSc (Computing Science) which will provide you with a thorough grounding in the analysis and use of large data sets, together with experience of conducting a substantial development or research project focused on Data Science techniques, preparing you for responsible positions in the Big Data and IT industries.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Data Science include lectures, seminars and tutorials, and allow you the opportunity to take part in lab, project and team work.

#### Core courses

- Research methods and techniques
- Masters project
- Big data: systems programming and management
- Data fundamentals
- Information retrieval
- Machine learning.

#### Optional courses may include:

- Advanced operating systems
- Artificial intelligence
- Computer architecture
- Computer vision methods and applications
- Cyber security forensics
- Cyber security fundamentals
- Enterprise cyber security
- Functional programming
- Human-computer interaction
- Human-computer interaction: design and evaluation
- Human-centred security
- Mobile human-computer interaction
- Modelling reactive systems
- Safety critical systems.

Depending on staff availability, the optional courses listed here may change.

#### Career prospects

Graduates of this programme have gone on to work for companies such as Amdocs, Hewlett Packard Enterprise and Sky UK. Positions include software developer and data scientist.

#### Why choose Glasgow?

The School is a member of the Scottish Informatics and Computer Science Alliance (SICSA), which aims to develop Scotland's place as a world leader in Informatics and Computer Science research and education.

## Information Security

**MSc:** 12 months full-time; 24 months part-time

The Masters in Information Security is a specialist version of the MSc (Computing Science) which will provide you with a thorough grounding in computational aspects of information security, together with experience of conducting a substantial development or research project focused on Information Security techniques, preparing you for responsible positions in the Information Security and IT industries.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Information Security include lectures, seminars and tutorials, and allow you the opportunity to take part in lab, project and team work.

#### Core courses

- Research methods and techniques
- Masters project
- Cyber security fundamentals
- Human-centred security
- Safety critical systems.

#### Optional courses may include:

- Advanced networking and communications
- Advanced operating systems
- Artificial intelligence
- Big data: systems programming and management
- Computer architecture
- Computer vision methods and applications
- Distributed algorithms and systems
- Functional programming
- Human-computer interaction
- Information retrieval
- Internet technology
- IT architecture
- Mobile human-computer interaction
- Modelling reactive systems.

Depending on staff availability, the optional courses listed here may change.

#### Career prospects

Graduates of this programme have gone on to responsible information security and software developer positions.

#### Why choose Glasgow?

- This programme is accredited by the British Computer Society (BCS). Graduates of this programme are recognised by the Chartered Institute for IT.
- This programme has been awarded the Euro-Info Master Label.



## Information Technology

**MSc:** 12 months full-time; 24 months part-time

The Masters in Information Technology is a conversion degree programme intended for students without a computing science background. It is an intensive, practically oriented programme during which students apply the knowledge and skills gained to a significant development project.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Information Technology include lectures, seminars and tutorials, and allow you the opportunity to take part in lab, project and team work.

### Core courses

- Database theory and applications
- Programming
- Software engineering
- Software project management
- Systems and networks
- Group project.

Plus one of the following specialist courses:

- Enterprise computing
- Human-centred security.

### Optional courses may include:

- Advanced programming
- Algorithms and data structures
- Cyber security fundamentals
- Digitisation
- Human-computer interaction: design and evaluation
- Internet technology
- Safety critical systems.

Depending on staff availability, the optional courses listed here may change.

### Career prospects

Graduates of this programme have gone on to work for companies such as Tesco Bank, JP Morgan and Fujitsu. Positions include graduate software developer, project manager, web developer and business consultant.

### Why choose Glasgow?

- This conversion degree programme is accredited by the British Computer Society (BCS).
- The School has extensive contacts with industrial partners who contribute to several of their taught courses, through active teaching, curriculum development, and panel discussion. Recent contributors include representatives from IBM, JP Morgan, Amazon, Adobe and Red Hat.

## IT Cyber Security

**MSc:** 12 months full-time; 24 months part-time

The Masters in IT Cyber Security is a specialist version of the MSc (Information Technology), intended for students without a computing science background. It is an intensive, practically oriented programme focusing on Cyber Security tools and techniques, which students apply to a significant Cyber Security development project.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in IT Cyber Security include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

### Core courses

- Cryptography and secure development
- Cyber security forensics
- Cyber security fundamentals
- Database theory and applications
- Enterprise cyber security
- Human-centred security
- Programming
- Safety critical systems
- Software project management
- Systems and networks
- Group project.

### Career prospects

Graduates of this programme have gone on to work in sectors such as banking and insurance, software houses, and the chemical and electronics industries.

### Why choose Glasgow?

- You will have the opportunity to meet employers who come on to campus to deliver recruitment presentations, and who often seek to recruit our graduates during the programme.
- The school is a member of the Scottish Informatics and Computer Science Alliance: SICSA. This collaboration of Scottish universities aims to develop Scotland's place as a world leader in Informatics and Computer Science research and education.

## Software Development

**MSc:** 12 months full-time; 24 months part-time

The Masters in Software Development is a specialist version of the MSc (Information Technology), intended for students without a computing science background. It is an intensive, practically oriented programme focusing on professional software development skills, which students apply to a significant Software Development project.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Software Development include lectures, seminars and tutorials, and allow students the opportunity to take part in lab, project and team work.

### Core courses

- Advanced programming
- Algorithms and data structures
- Database theory and applications
- Programming
- Software engineering
- Software project management
- Systems and networks
- Group project.

Plus one of the following specialist courses:

- Enterprise computing
- Human-centred security.

### Optional courses may include:

- Cyber security fundamentals
- Digitisation
- Human-computer interaction: design and evaluation
- Internet technology
- Safety critical systems.

Depending on staff availability, the optional courses listed here may change.

### Career prospects

Graduates of this programme have gone on to work for companies such as Morgan Stanley, Seemis, BiP Solutions and Kotikan. Positions include software engineer, web developer and software developer.

### Why choose Glasgow?

- This conversion degree programme is accredited by the British Computer Society (BCS).
- Information Technology (IT) pervades our lives. If you are a graduate and you are equipped with advanced software development skills, you will enjoy a significant advantage in pursuing your career, whatever your previous degree subject.

## Research opportunities

We offer the following research study options: PhD.

Our research areas include:

- Computing science education
- Computer vision and graphics
- Embedded, networked and distributed systems
- Formal analysis, theory and algorithms
- Human-computer interaction (GlST)
- Inference, dynamics and interaction
- Information retrieval
- Software engineering and safety.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/computing](http://glasgow.ac.uk/research/opportunities/subjects/computing)

## Part-time study

If you wish to engage in part-time study, please be aware that, depending upon your optional taught courses, you may still be expected to be on campus on most weekdays.



## CREATIVE WRITING

Glasgow's creative writing programmes are among the most prestigious in the UK, launching the careers of many successful writers.

Glasgow has produced many notable writers, from Robert Henryson in the 15th century, to James Boswell, Tobias Smollett and Adam Smith in the 18th. It was in the 20th century that Glasgow's place as a centre of creativity was confirmed with prominent writer graduates such as William Boyd, John Buchan, Catherine Carswell, Janice Galloway, James Herriot, James Kelman, Alistair MacLean, William McIlvanney, Edwin Morgan and Alexander Trocchi.

Our Creative Writing programme is the longest established in Scotland, and has gained an excellent reputation among writers, agents and publishers. It is perfect for talented and aspiring writers who want to develop their craft, take risks in their work, and gain creative and critical skills; all as part of a supportive community of fellow writers. We have a wealth of experience and enthusiasm to help you develop vital skills in critical, analytical and creative thinking.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

### Creative Writing

MLitt: 12 months full-time; 24 months part-time

Our celebrated creative writing programme is perfect for talented and aspiring writers looking to gain adventurous and needed creative and critical skills.

[arts-critstudies-creativewriting@glasgow.ac.uk](mailto:arts-critstudies-creativewriting@glasgow.ac.uk)

#### Programme structure

This programme is designed for ambitious, dedicated individuals who are already engaged in writing. Taught entirely by published, award-winning writers, the MLitt focuses on supporting you as you develop your writing styles, critically assess your work, and develop skills for professional practice. Its clear three-part structure, focused on creative, critical and practical issues, distinguishes it from others offered in the UK.

The programme structure covers:

#### Semester 1

- Creative workshops and guest speakers
- Reading as a writer (CX1)
- Copyright, publishing and the culture of reception.

#### Semester 2

- Creative workshops and guest speakers
- Experimentation (CX2)
- Editorial project.

These aims of the programme are:

- to allow you to experiment with a range of voices, techniques and genres alongside a consideration of major creative and editorial engagements from the modern through the contemporary period
- to develop a critical understanding of diverse creative, theoretic and critical texts
- to provide a space to undertake extended portfolios of creative and editorial work
- to familiarise you with the writing context (audience, publishing in all its forms, the legal framework, modes of transmission)
- and most importantly, to subject you to the discipline of regular writing by providing a stimulating workshop and tutorial environment in which writing skills can be acquired, discussed and honed.

#### Career prospects

Graduates have gone into writing, journalism, publishing and many other professions.

Positions held by recent graduates include managing director, freelance editor, author, copywriter, community arts development worker and lecturer.

#### Why choose Glasgow?

- You will be taught by a number of successful and well-regarded writers and many of our graduates have gone on to be published and acclaimed authors.
- We have strong links with literary agents and publishers, and an impressive list of published alumni.

### Creative Writing (online)

MLitt Online Distance Learning: 12 months full-time; 24 months part-time

Our celebrated creative writing programme is perfect for talented and aspiring writers looking to develop exceptional creative and critical skills. This exciting, no-residency online programme supports you as you develop your writing practice wherever you are in the world.

[arts-critstudies-creativewriting@glasgow.ac.uk](mailto:arts-critstudies-creativewriting@glasgow.ac.uk)

#### Programme structure

This programme is designed for ambitious, dedicated individuals who are already engaged in writing. Taught entirely by published, award-winning writers, the MLitt focuses on supporting you as you develop your writing styles, critically assess your work, and develop skills for professional practice. The clear three-part structure – focused on creative, critical and practical issues – and the wide range of genres encountered, enabling you to define your core interests and approaches, distinguishes it from others offered in the UK.

The programme structure covers:

#### Semester 1

- Creative workshops and guest speakers
- Reading as a writer (CX1)
- Copyright, publishing and the culture of reception.

#### Semester 2

- Creative workshops and guest speakers
- Craft and experimentation (CX2)
- Editing the 21st century: editorial project.

#### Delivery mode

Classes are taught via video conferencing and an online virtual learning platform called Moodle, where you can participate in forums, download class notes, watch related video, and submit written work for feedback. Workshops and seminars are at set times during the semester; however, these are recorded so you can watch in your own time if you can't make the class.

- You are always welcome to take part in our campus-based classes and events, if you are able.
- You will also have one-to-one tutorials at a time agreed between you and your tutor throughout the semester for extra support with your work.

#### Career prospects

Graduates have gone into writing, journalism, publishing and many other professions. Positions held by recent graduates include managing director, freelance editor, author, copywriter, community arts development worker and lecturer.

#### Why choose Glasgow?

- You will be taught by a number of successful and well-regarded writers.
- The programme enables you to experiment with multiple genres while developing a range of writing and editing skills.

### Research opportunities

We offer the following research study options:

#### DFA, MFA.

Our research Master of Fine Arts (MFA) and Doctor of Fine Arts (DFA) build on a long history of offering Masters and Doctoral options in the study and practice of Creative Writing.

Our research degrees incorporate hybrid taught elements (literary and practical seminars; workshops; and practical pedagogy) in order to develop your creative and critical work within a supportive and diverse community of writers, as well as in the context of extensive individual supervision.

Both programmes give you dedicated, structured time to complete a substantial creative work and include opportunities to teach writing to undergraduates and to apply to be a graduate teaching assistant for other literature courses. The DFA additionally allows you to undertake an extended academic research project, informed by your work and practice, leading to a significant critical essay or other output.

Both the MFA and DFA are available as Low Residency options. This option requires you to attend at least two intense weeks of seminars, visiting speakers, workshop and practical elements (including teaching creative writing in the second year). One week will take place early in the autumn semester of your first year; the other in the spring or early in the summer semester of your second year.

Our research areas include:

- Experimental poetry and poetics
- Conceptual writing
- Genre fiction
- Hybrid forms
- Creative writing pedagogy.

You may want to identify potential supervisors and contact them to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/creativewriting](https://glasgow.ac.uk/research/opportunities/subjects/creativewriting)




# ECONOMIC & SOCIAL HISTORY

Glasgow hosts the largest group of economic and social historians in Scotland.

Economic & Social History has been taught at the University of Glasgow since the beginning of the 20th century, with R H Tawney thought to be the first appointment in the field. We are internationally recognised for research excellence in modern economic and social history, with exceptional strength in business and financial history, the history of medicine and social and gender history.

Study with us, and you can benefit from flexible degree programmes, small class sizes, an excellent range of library and archival resources and a supportive environment for learning.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

[glasgow.ac.uk/subjects/economicsocialhistory/postgraduate](https://glasgow.ac.uk/subjects/economicsocialhistory/postgraduate)

## Global Economy

**MSc:** 12 months full-time; 24 months part-time

The global economy is a complex and challenging place. This programme, taught by internationally acknowledged experts in their fields, unravels many of the complexities and explores the challenges. It is ideal for those who do not have a degree or background in economics or business but wish to explore the field.

 [duncan.ross@glasgow.ac.uk](mailto:duncan.ross@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses and submit a dissertation. You will attend lectures, seminars and tutorials and take part in project and team work. You will benefit from our programme of guest seminars.

#### Core courses

- The globalised economy
- Business in the global economy
- Research design.

#### Optional courses may include:

- Globalisation of banking and financial institutions
- Globalisation and labour
- Technology transfer in a globalised world
- International economic relations since 1945
- The EU in international politics and development.

#### Career prospects

Career opportunities include positions in global economics, foreign trade, international NGOs and policy environments.

#### Why choose Glasgow?

- You will gain a broad understanding of current economic and business policy issues in the context of a rapidly changing and dynamic global environment.
- You will gain a secure and critical grasp of the extent, causes and implications of a more fully integrated world economy, which equips you to play key leadership roles in corporate, non-governmental organisations or policy-driven environments.

## Global Markets, Local Creativities (Erasmus Mundus International Master)

**IntM:** 24 months full-time

This two-year International Master leverages the complementary expertise, resources and networks of four subject areas (Economic & Social History, Business, History, Economics) within four major European universities to provide a profoundly interdisciplinary programme and international learning experience. The programme equips you with the analytical tools and critical skills necessary to make sense of the history, theory, institutions and cultures of global and local capitalism. Exploration and understanding of the intersecting complementarity of global and local is at the heart of this programme.

 [socpol-glocal@glasgow.ac.uk](mailto:socpol-glocal@glasgow.ac.uk)

### Programme structure

This is a two-year degree taught through a mix of lectures and seminars. The programme also includes internships and industrial placements.

You will spend your first year in Glasgow (semester 1) and Barcelona (semester 2). The second year (semester 1) will be spent in either Rotterdam or Göttingen, depending on which pathway you choose.

- Pathway a (Rotterdam): Global history and creative cities' economies (the history of globalisation and the role of creative industries).
- Pathway b (Göttingen): Global markets and development (marketing, entrepreneurship and development).

The final semester will be spent writing a dissertation.

#### Summer school

A two-week summer school will take place in July at the end of year 1, it will be held with a different partner each year and this will include associate partners from around the world.

#### Career prospects

The intertwining of academic analysis and practical engagement will provide a valuable range of well-rounded skills and experiences that develop active and informed graduates capable of operating at strategic levels in NGO and third-sector agencies, local economic development organisations, policy analysis and lobbying groups and corporations, or of undertaking further study.

#### Why choose Glasgow?

- You will graduate with a multiple degree: one from each of the three universities at which you studied.
- You will be encouraged to explore a variety of perspectives on the process and experience of globalisation, and to reflect on the relationship between global and local, in particular, of cities, creative industries and local cultures of entrepreneurship that have innovated at the local level to remain globally competitive.

## Research opportunities

We offer PhDs in the following research areas:

- Modern economic and social history
- Business and financial history
- History of medicine
- Social and gender history.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/economicsocialhistory](https://glasgow.ac.uk/research/opportunities/subjects/economicsocialhistory)




# ECONOMICS

Economics has a distinguished history at Glasgow dating back to Adam Smith, the father of modern economics.

Today we have international expertise in:

- Macroeconomics
- Financial economics
- Development economics
- International finance
- Econometrics
- Microeconomics.

Staff research directly informs our teaching, which means that if you study with us, you can benefit from up-to-date degree programmes that touch on the key theoretical and policy issues of the day.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Asset Pricing & Investment

**MSc:** 12 months full-time

This programme is designed to help you understand how to determine values for claims to uncertain and risky payments such as company shares and dividends, financial derivatives, metals and commodities, and insurance claims, using fundamental principles from economics and finance.

 [business-economics@glasgow.ac.uk](mailto:business-economics@glasgow.ac.uk)

### Programme structure

You will take four core courses and two optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

You will be taught through lectures, some of which may also be accompanied by class/group discussions. You will attend workshops to help define and develop your dissertation proposal and you will be assigned an individual dissertation supervisor who will provide guidance and comments as you complete your dissertation.

### Core courses

- Economic fundamentals and financial markets
- Empirical asset pricing
- Investment, finance and asset pricing
- Portfolio analysis and investment.

### Optional courses may include:

- Advanced portfolio analysis
- Applied computational finance
- Basic econometrics
- Corporate finance and investment
- Financial derivatives (Mathematical finance is a co-requisite for this course)
- Financial market micro structure
- Intermediate econometrics
- Mathematical finance.

### Career prospects

Graduates from this programme will typically find employment in financial institutions (asset management, investment banks, the quant sector and consulting) and governmental bodies involved in financial decision-making.

### Why choose Glasgow?

- This programme will provide you with an understanding of theories and empirical characteristics of asset prices and their dynamics in financial markets, as well as the foundations of optimal portfolio theory.
- You will learn how to implement and calibrate asset pricing models in a computer-based learning environment using empirical and econometric techniques.

## Banking & Financial Services

**MSc:** 12 months full-time

This programme is designed to develop expertise in topics relevant to the banking sector, and the provision and valuation of financial services. It is ideally suited for those who want a career in banking or financial management, and provides a thorough knowledge of the main components of commercial and investment banking in a dynamic economic environment which is governed by structural regime changes.

 [business-economics@glasgow.ac.uk](mailto:business-economics@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

### Core courses

- Corporate finance and investment
- Financial services
- International finance and money
- Modern theory of banking and finance.

### Optional courses may include:

- Advanced portfolio analysis (Portfolio analysis and investment is a co-requisite for this course)
- Basic econometrics
- Financial analysis and equity valuation
- Financial institutions and markets in developing countries
- International banking and financial markets
- International capital markets
- International financial management
- International trade
- Monetary policy and the role of central banks
- Portfolio analysis and investment
- The law and economics of sovereign debt regulation.

### Career prospects

This programme will help prepare you for employment with financial institutions including banks, the International Monetary Fund, the World Bank and governmental bodies involved in financial decision-making, as well as firms involved with financial transactions and provision. Recent graduates have gone on to work for organisations such as Bloomberg, central and private banks, and consulting firms.

### Why choose Glasgow?

- This programme offers a range of courses focusing on areas such as corporate finance and modern theory of banking and finance, to enhance your understanding of how the banking system functions, its role for the economy and how it is regulated.
- You will gain an in-depth understanding of the theory of corporate finance and the practicalities of the financial system in the international economy.

## Development Studies

**MSc:** 12 months full-time

This programme is suited to students from a non-economics background, and will provide you with a solid grounding in policy analysis for economic growth and development, and for combating poverty. You will develop significant quantitative skills and economic knowledge to address contemporary issues in development, equipping you for an internationally oriented career focused on developing countries.

 [business-economics@glasgow.ac.uk](mailto:business-economics@glasgow.ac.uk)

### Programme structure

You will take two core and four optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

### Core courses

- Development policy
- Economics of inequality and deprivation.

### Optional courses may include:

- Aid and development
- Basic econometrics
- Behavioural economics: theory and applications
- Challenges in international policies
- Environmental economics
- Financial institutions and markets in developing countries
- Foreign direct investment and development
- Growth and development
- Human rights and global politics
- IMF, World Bank and economic growth
- International security and global politics
- International trade
- Policies for sustainability and development
- Project planning, appraisal and implementation
- The law and economics of sovereign debt regulation
- Theory and principles of sustainability.

### Career prospects

As a graduate you will be equipped to work in international organisations, government ministries, banks and other financial institutions. Recent graduates have gone on to work for organisations such as the Ministry for the Environment, NHS, Malaysian Fuel and Gas Training Academy, and WaterAid. Roles have included urban development consultant, principal economist and senior officer for energy and mining.

### Why choose Glasgow?

- This programme will provide you with a good understanding of the main social and developmental problems facing less developed countries.
- You will learn about possible policy responses to developmental issues, with an emphasis on human capital, environment, international trade and market liberalisation.



## Economic Development

**MSc:** 12 months full-time

This programme is designed for graduates with a background in economics who want to develop an understanding of policy analysis, design and management relevant to developing countries. You will develop significant quantitative skills and a thorough understanding of the main models related to economic growth and development. It will help equip you for further academic research in this field or for an internationally oriented career as development economist.

**e business-economics@glasgow.ac.uk**

### Programme structure

You will take two core and four optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

#### Core courses

- Development policy
- Growth and development.

#### Optional courses may include:

- Aid and development
- Basic econometrics
- Behavioural economics: theory and applications
- Economics of inequality and deprivation
- Environmental economics
- Foreign direct investment and development
- IMF, World Bank and economic growth
- International trade
- Money, finance and growth
- Policies for sustainability and development
- Project planning, appraisal and implementation
- Theory and principles of sustainability.

#### Career prospects

Recent graduates have gone on to work for the third sector and public sector in roles such as research analyst, economics and climate change consultant, climate change economist and economic researcher.

#### Why choose Glasgow?

- This programme will provide you with a good understanding of how analytical frameworks can be used to evaluate strategies of growth and development, and the role of finance in growth and development.
- You will study how the economies of transition evolve from less developed to developed status, and the main social and developmental problems facing less developed countries.

## Economics

**MRes:** 24 months full-time

This two-year programme provides rigorous mathematical training in modern economics. It will equip you with a thorough understanding of the research tools and techniques, both theoretical and empirical, required for the analysis of economics.

**e economics-mres@glasgow.ac.uk**

### Programme structure

In year 1 you will receive comprehensive research-oriented training in research methods and the core areas of economics. You will also receive advanced training in research design and complete an independent summer research project under academic supervision.

After year 1 you will have the option to graduate with an MSc in Quantitative Economics, or continue to year 2 which will focus on the specialised fields of applied economics, preparing you for your PhD.

#### Core courses

- Econometrics
- Macroeconomics 1
- Macroeconomics 2
- Microeconomics 1
- Microeconomics 2
- Quantitative methods.

#### Optional courses may include:

- Behavioural economics
- Contract theory
- Decision theory
- International macroeconomics
- Market microstructure
- Networks and games
- Time series analysis
- Welfare and mechanism design.

#### Career prospects

The programme provides thorough guided preparation for PhD research; completion at a sufficiently high level guarantees admission into the Glasgow Economics PhD programme. You will also be extremely well positioned to be accepted for PhD study in other universities. Upon completion of the programme you will be equipped to pursue careers in academia, government, industry or consulting.

#### Why choose Glasgow?

- This MRes is distinctive in its two-year programme structure and will provide you with comprehensive foundational training in economics. It is modelled on the established tradition of US universities, providing thorough PhD preparation.
- It is ideally suited to you if you have a quantitative background but limited exposure to economic ideas, or if you have a background in economics and are interested in developing this knowledge in line with the current standards of economics research.

## Economics, Banking & Finance

**MSc:** 12 months full-time

This programme focuses on the economic analysis of financial and banking issues. It is aimed at policymakers, postgraduate students who are interested in financial markets and those who work in financial institutions and government organisations.

**e business-economics@glasgow.ac.uk**

### Programme structure

You will take four core and two optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

#### Core courses

- International macroeconomics and policy
- Modern theory of banking and finance
- Monetary policy and the role of central banks
- Money, finance and growth.

#### Optional courses may include:

- Basic econometrics
- Behavioural economics: theory and applications
- Financial institutions and markets in developing countries
- Financial services
- Foreign direct investment and development
- IMF, World Bank and economic growth
- Intermediate econometrics for applications in financial and development studies
- International finance and money
- International trade
- Modelling and forecasting financial markets
- Project planning, appraisal and implementation
- The law and economics of sovereign debt regulation.

#### Career prospects

This programme is beneficial if you wish to enter or are already in a profession which requires you to provide economic analysis of financial and banking issues. Recent graduates have been appointed as auditors, economists and strategy & policy analysts, for example, in companies such as EY, HSBC and Accenture.

#### Why choose Glasgow?

- You will cover core issues in open economy macroeconomics, including current account imbalances, exchange rate determination and monetary policy.
- The programme will provide you with an excellent understanding of the empirical performance of economic models of exchange rates, including modern models based on Taylor rules.

## Environment & Sustainable Development

**MSc:** 12 months full-time

This multidisciplinary programme is ideal if you intend to pursue a career in environmental project management. It will give you the tools to apply economic analysis to a range of environmental management problems with a focus on developing countries. You will gain a scientific perspective on how environmental and resource constraints impact upon development.

**e business-economics@glasgow.ac.uk**

### Programme structure

You will take four core and two optional courses and complete a substantial independent piece of work, normally in the form of a dissertation. A pre-sessional refresher course in economics is also available for those who wish to revise their economics. This non-credit-bearing course takes place during induction week.

#### Core courses

- Development policy
- Environmental economics
- Policies for sustainability and development
- Theory and principles of sustainability.

#### Optional courses may include:

- Aid and development
- Behavioural economics: theory and applications
- International trade
- Money, finance and growth
- The economics of inequality and deprivation
- The law and economics of sovereign debt regulation.

#### Career prospects

The programme is designed to equip you for a career as professional planning staff in private or public sector organisations concerned with the design and implementation of environmental policies, environmental issues in international agencies or research. Recent graduates have been employed as development practitioners and environmental policy analysts for organisations such as BP, the Royal Society for the Protection of Birds and public sector bodies.

#### Why choose Glasgow?

- The programme explores key issues confronting economies in attempting to reconcile economic growth with environmental and ecological constraints.
- You will learn about the relationship between the environment and the economic system with an emphasis on environmental valuation, cost-benefit analysis, market and policy failure, trade and the environment, the economics of pollution control and climate change.



## Finance & Economic Development

**MSc:** 12 months full-time

This programme is designed for economics graduates who would like to develop an understanding of the nature of the differing institutional settings of financial systems and their effects on economic growth in developed and developing countries. It will help equip you for a career as an economist in public and private institutions concerned with economic development and finance capacity.

 **business-economics@glasgow.ac.uk**

### Programme structure

You will take three core and three optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

#### Core courses

- Financial institutions and markets in developing countries
- Growth and development
- Money, finance and growth.

#### Optional courses may include:

- Aid and development
- Basic econometrics
- Behavioural economics: theory and applications
- Development policy
- Economics of inequality and deprivation
- Environmental economics
- Foreign direct investment and development
- IMF, World Bank and economic growth
- International finance and money
- International macroeconomics and policy
- International trade
- Introduction to normative economics
- Project planning, appraisal and implementation
- The EU in international politics and development (Politics)
- The law and economics of sovereign debt regulation.

### Career prospects

This programme will prepare you for a career in economic development as a government official, in international agencies or in other organisations concerned with economic development. Our graduates have taken up roles as research economists and senior economists, for example.

#### Why choose Glasgow?

- This programme explores the role of money and financial intermediation in economic growth, and the rationale for financial repression and financial liberalisation.
- You will learn about the structures and social functions of monetary and financial systems in both developing and developed countries.

## Financial Economics

**MSc:** 12 months full-time

This programme focuses on key macroeconomic and microeconomic forces which shape and influence financial markets. These elements are fundamental for financial decision-making and draw on the most recent developments in these areas. It is also designed to provide a thorough understanding of the functioning of financial markets and monetary policy.

 **business-economics@glasgow.ac.uk**

### Programme structure

You will take three core and three optional courses and complete a substantial independent piece of work.

Teaching is delivered via lectures. Technical subjects are supported by weekly or fortnightly tutorials, which provide opportunities for you to engage with issues and questions in a group format. Some courses also involve lab sessions in which you will use specialised software, for instance in the study of econometrics.

#### Core courses

- Economic fundamentals and financial markets
- Macroeconomics
- Microeconomics.

#### Optional courses may include:

- Applied computational finance
- Behavioural economics: theory and applications
- Corporate finance and theory
- Empirical asset pricing
- Financial market micro structure
- Foreign direct investment and development
- Game theory with applications in economics and finance
- Intermediate econometrics
- International financial management
- Investment, finance and asset prices
- Modelling and forecasting financial markets
- Public finance.

### Career prospects

As a graduate of the programme you will be qualified to work in finance for organisations like the International Monetary Fund and World Bank. The programme is also suitable for careers in academia. Recent graduates of this programme have been employed by companies including KPMG, Emirates Airline, Bank of East Asia, and the university sector.

#### Why choose Glasgow?

- The programme will provide you with rigorous training in macroeconomics, microeconomics and quantitative methods, and develop your understanding of financial theory and empirical applications.
- You will learn how macroeconomic factors, such as monetary and fiscal policy, growth and risk, interact and influence financial markets and the pricing of financial assets, such as stocks and bonds.

## Financial Forecasting & Investment

**MSc:** 12 months full-time

This programme provides you with training in the key areas of financial analysis, forecasting and financial investment. It will provide you with an enhanced understanding of the underlying forces which drive financial markets and the relevant analytical tools you need to forecast time series and implement advanced trading strategies.

 **business-economics@glasgow.ac.uk**

### Programme structure

You will take three core and three optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

Teaching is provided by lectures. Technical subjects are supported by weekly or fortnightly tutorials, which provide opportunities for you to engage with issues and questions in a group format. Some courses also involve lab sessions using specialised software.

#### Core courses

- Financial markets, securities and derivatives
- Modelling and forecasting financial markets
- Portfolio analysis and investment.

#### Optional courses may include:

- Advanced portfolio analysis
- Applied computational finance
- Behavioural economics: theory and applications
- C++ in finance
- Corporate finance and investment
- Economic fundamentals and financial markets
- Empirical asset pricing
- Financial derivatives
- Financial market micro structure
- Foreign direct investment and development
- Game theory with applications in economics and finance
- Hedge fund risk management
- International finance and money
- Investment, finance and asset prices
- Mathematical finance.

### Career prospects

Career paths are typically in financial institutions including central banks, investment banks, the International Monetary Fund and the World Bank, asset management firms and governmental bodies. Graduates have taken up roles such as equity traders, finance managers and business intelligence analysts.

#### Why choose Glasgow?

- This programme will provide you with a detailed understanding of the theory of optimal portfolios, and how to exploit available information to forecast future behaviour of stocks, interest and exchange rates.
- You will explore theoretical models of time series and their empirical counterparts using data from real-world equity and derivatives markets.

## Financial Risk Management

**MSc:** 12 months full-time

This programme focuses on the risk management and the quantification of several types of risk such as financial risk, including market risk and some elements of liquidity and counterparty risk.

 **business-economics@glasgow.ac.uk**

### Programme structure

You will take four core and two optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

Teaching is based on lectures which also allow opportunities for class discussion. Technical subjects are supported by weekly or fortnightly small tutorials, which provide opportunities for you to engage with some issues or questions in a group format. Some courses also involve lab sessions using specialised software.

#### Core courses

- Basic econometrics
- Economic fundamentals and financial markets
- Financial markets, securities and derivatives
- Financial risk analysis.

#### Optional courses may include:

- Applied computational finance
- C++ in finance
- Corporate finance and investment
- Corporate finance theory
- Empirical asset pricing
- Financial derivatives
- Financial market micro structure
- Financial services
- Game theory with applications in economics and finance
- Hedge fund risk management
- International finance and money
- Mathematical finance
- Modelling and forecasting financial markets.

### Career prospects

As a graduate you will be qualified to work in risk management, asset management companies, hedge funds, wealth management banks and central banks. Graduates have found employment with companies such as Morgan Stanley, HSBC, KPMG and the Royal Bank of Scotland.

#### Why choose Glasgow?

- This programme will provide you with a thorough understanding of advanced econometric analysis and the role and impact of financial regulations.
- You will explore theories of risk, including bond market interest rate determination, market risk, liquidity risk and counterparty risk.



## International Banking & Finance

**MSc:** 12 months full-time

This programme provides you with an in-depth understanding of the theory surrounding international financial systems and how they operate in practice. It is ideally suited for recent business graduates who want to pursue a career in banking or finance.

 [business-economics@glasgow.ac.uk](mailto:business-economics@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses and write a dissertation, which is a substantial independent piece of work.

#### Core courses

- Corporate finance
- Financial markets, securities and derivatives
- Monetary policy and the role of central banks
- Modern theory of banking and finance.

#### Optional courses may include:

- Basic econometrics
- Financial analysis and equity valuation
- Financial institutions and markets in developing countries
- Foreign direct investment and development
- International banking and financial markets
- International capital markets
- International financial accounting for MNCs
- International financial management
- International macroeconomics and policy
- International trade
- Project planning, appraisal and implementation
- Public finance
- IMF, World Bank and economic growth
- The law and economics of sovereign debt regulation.

#### Career prospects

Our graduates have gone on to work in roles such as accounting analyst, performance analyst and project accountant. Recent employers include KPMG, HSBC and Barclays.

#### Why choose Glasgow?

- The programme will give you an excellent understanding of the Binomial and Black, Scholes and Merton models, computing Greeks for a variety of derivatives securities, pricing forward contracts, trading options and portfolio management using options and futures.
- You will learn about corporate finance, the functions of the securities markets and the optimal investment strategy.

## Investment Banking & Finance

**MSc:** 12 months full-time

This programme focuses on the key areas of banking and financial investment. You will develop an enhanced understanding of how financial markets operate, particularly in relation to the aims and operations of banking organisations and institutions.

 [business-economics@glasgow.ac.uk](mailto:business-economics@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course, and complete a substantial independent piece of work, normally in the form of a dissertation.

#### Core courses

- Basic econometrics
- Corporate finance and investment
- Financial markets, securities and derivatives
- Modern theory of banking and finance
- Portfolio analysis and investment.

#### Optional courses may include:

- Advanced portfolio analysis
- Economic fundamentals and financial markets
- Financial derivatives (Mathematical finance is a co-requisite for this course)
- Foreign direct investment and development
- International finance and money
- Investment, finance and asset prices
- Mathematical finance
- Monetary policy and the role of central banks
- The law and economics of sovereign debt regulations.

#### Career prospects

You will have potential future career opportunities with various financial institutions, including investment banks, hedge funds, financial consultancies and asset management firms. Graduates of this programme have been employed in various international organisations such as Bloomberg, HSBC, Bank of China and PricewaterhouseCoopers, and are working in roles such as equity portfolio manager, business planning analyst, and accounting and reporting senior analyst.

#### Why choose Glasgow?

- The programme will provide you with an excellent understanding of how to correctly value financial products such as equities and derivatives using theoretical models of assets, and of how international financial markets function.
- You will gain the necessary skills to help you manage portfolios according to customer requirements.

## Investment Fund Management

**MSc:** 12 months full-time

This programme focuses on the key areas of investment fund management with particular emphasis on hedge fund management and applications of financial engineering. It is ideally suited for those who want to pursue a career in investment fund management.

 [business-economics@glasgow.ac.uk](mailto:business-economics@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

#### Core courses

- Advanced portfolio analysis
- Financial markets, securities and derivatives
- Hedge fund risk management
- Portfolio analysis and investment.

#### Optional courses may include:

- Applied computational finance
- Basic econometrics
- Financial derivatives (Mathematical finance is a co-requisite for this course)
- Financial market micro structure
- Mathematical finance
- The law and economics of sovereign debt regulation.

#### Career prospects

This programme provides you with a competitive advantage to work in various fields of investment fund management, such as asset management companies, hedge funds, wealth management banks, regulators and central banks. Graduates have followed careers as investment analysts, wealth management trainees, and mergers and acquisitions analysts.

#### Why choose Glasgow?

- This programme provides you with a comprehensive understanding of how an investment fund works, legal aspects of the assets under management and the risk related to different asset classes.
- You will learn to use, evaluate and apply trading strategies for managing risk using portfolios of equity, bonds and derivatives of financial products. You will also learn to adopt advanced quantitative techniques for optimising your risk-return investment profile.

## Quantitative Finance

**MSc:** 12 months full-time

This programme draws on recent developments in finance with a quantitative approach to help you understand the structure of financial markets in order for you to make optimal investment decisions.

 [business-economics@glasgow.ac.uk](mailto:business-economics@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses and complete a substantial independent piece of work, normally in the form of a dissertation.

#### Core courses

- Financial derivatives
- Mathematical finance
- Modelling and forecasting financial markets.

#### Optional courses may include:

- Advanced portfolio analysis
- Applied computational finance
- C++ in finance
- Empirical asset pricing
- Economic fundamentals and financial markets
- Financial market micro structure
- Game theory with applications in economics and finance
- Portfolio analysis and investment (co-requisite for Advanced portfolio analysis).

#### Career prospects

This programme will help prepare you for a career in government, international organisations or financial institutions, working as a derivative trader, quantitative trader or quantitative risk manager. Recent graduates have taken up positions in various investment banks.

#### Why choose Glasgow?

- This programme will provide you with a detailed understanding of the structure of financial markets and forecasting of financial data, and theoretical models in the core areas of quantitative finance, such as option pricing and hedging.
- You will learn about advanced econometric and calibration methods to construct practical models of asset prices using these theories.



### Research opportunities

We offer PhDs in the following research areas:

- Economics: microeconomics, macroeconomics, international finance, financial economics, development economics
- Finance
- Quantitative finance.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/research/opportunities/subjects/economics](http://glasgow.ac.uk/research/opportunities/subjects/economics)

“Studying in the Adam Smith Business School provides me with the opportunity to gain practical knowledge through training in software like MATLAB, EViews and OxMetrics Enterprise. The material of the programme involves practical, real-life examples, with regular seminars from people in the industry, helping me to get a good understanding of how bankers and investors think in real life.”

Joyal

Economics, Banking & Finance (MSc) student

## EDUCATION

Education at Glasgow brings together national and international expertise in all aspects of learning, from pre-five to adult and continuing education.

Our extensive links with schools, local authorities and the Scottish Government mean that if you choose to study with us, you can benefit from degree programmes that are based on the most up-to-date research, helping you to further your career.

Our areas of specialist knowledge include:

- Educational leadership and management
- Science, engineering and technology education
- Teacher education and professional learning
- Citizenship and values education.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

### Academic Practice

PgCert: 24–36 months part-time

This Postgraduate Certificate, which includes the Teaching and Supervision courses, provides a route for academic staff to show fulfilment of the UK Professional Standards Framework for teaching and supporting learning in higher education.

 [leads-pgcap@glasgow.ac.uk](mailto:leads-pgcap@glasgow.ac.uk)

#### Programme structure

The Postgraduate Certificate consists of core and optional courses involving small numbers of participants utilising an interactive, discussion-based classroom approach. You will take two core courses (which form the TSC) and two optional courses.

#### Core courses

- Learning and teaching in higher education
- Developing effective supervision practices.

#### Optional courses may include:

The key areas of learning, teaching and assessment include:

- course and curriculum design
- evaluation of teaching practice
- principles of assessment and feedback
- research supervisions
- teaching methodologies including lecturing, small group work and online learning.

#### Career prospects

It is likely you will already be employed within higher education. The professional accreditation and skills you gain should help enhance your career and enable you to gain professional recognition for teaching and supporting learning in higher education.

#### Why choose Glasgow?

- The programme will help you to develop practices in critical reflection and judgement that you can apply in relation to your own teaching.
- The programme strives to provide practical advice and support to enhance teachers' confidence and ongoing development alongside evidence-based, theoretical approaches to learning, teaching and assessment.



## Adult Education, Community Development & Youth Work

**MEd:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time; 18 months part-time

This programme offers you the opportunity to study the theoretical and practical dimensions of adult, community and youth development. It will equip you with the skills and knowledge to work alongside people in communities to initiate sustainable social change.

 [dave.beck@glasgow.ac.uk](mailto:dave.beck@glasgow.ac.uk)

### Programme structure

You will take two core and two optional courses from a specialist pathway. There is a large practical element either in the form of a placement or as part of your current workplace. Throughout the programme there is emphasis on participative and experiential learning. For the MEd you will also undertake an in-depth supervised research project, on a related topic of your choosing.

### Core courses

- Practice and policy inquiry
- Theoretical frameworks for practice.

### Optional courses may include:

#### Adult Education

- Curriculum development in adult education
- The psychology of adult learning.

#### Community Development

- Educational approaches to community learning and development
- Empowerment and social change.

#### Youth Studies

- Perspectives in youth and young adulthood
- Working with youth: Education and learning for change.

### Career prospects

You will have many employment opportunities open to you in the areas of community development work, youth work, health, housing and social and economic regeneration. With an accredited CLD Standards Council for Scotland qualification, you will have the opportunity to work for local authorities, the voluntary sector and further and higher education institutions.

### Why choose Glasgow?

- You will discover ways in which you can help people realise their potential and work together for a fairer, healthier and happier world.
- Upon successful completion of the PgDip, you will be awarded a professional qualification accredited by the Community Learning and Development Standards Council in Scotland.

## Adult Education for Social Change

**IntM:** 24 months full-time

This is a two-year joint Masters degree awarded by a consortium comprising the University of Glasgow, the University of Malta, Tallinn University, Maynooth University and the Open University of Cyprus.

 [imaesc@glasgow.ac.uk](mailto:imaesc@glasgow.ac.uk)

### Programme structure

The programme combines expertise of adult education in the following contexts and mobility periods. There is a study track choice in semester 2. Each mobility includes a placement and an online course delivered by the Open University of Cyprus.

#### Semester 1

- September–December (Glasgow): Overview.

#### Semester 2 (study track choice)

- January–May (Malta): Critical issues, policy and curriculum  
OR
- January–May (Maynooth): Community engagement and education.

#### Summer (optional)

- June–August: Summer school OR internship.

#### Semester 3

- September–January (Tallinn): Professionalism of adult educators.

#### Semester 4

- February–July (Glasgow, Malta, Maynooth or Tallinn): Dissertation.

### Career prospects

Graduates will be equipped with academic knowledge, research skills, and practical employability skills through this jointly developed and delivered programme. You will find employment teaching and facilitating change in schools, communities and workplaces, advocating through activism or influencing policy in international NGOs and governments, as well as undertaking research that uncovers new knowledge about how adult education can help eliminate social injustice.

### Why choose Glasgow?

- This programme has been designed to maximise the learning outcomes through both student and staff mobility and is innovative in the interconnectedness of the curriculum.
- Its unique focus brings together the recognised strengths of all partners into a relevant degree which engages with and responds to key issues of our time, such as social inequality, migration and intercultural cooperation and collaboration.

## Advanced Educational Leadership (online)

**PgCert Online Distance Learning:**  
 12 months part-time

This online programme is designed to enable those in key roles in the education sector to develop and advance their leadership knowledge and practice to influence and lead change in local, national and global contexts, in strategic, flexible and agile ways.

 [education-onlinemsc@glasgow.ac.uk](mailto:education-onlinemsc@glasgow.ac.uk)

### Programme structure

You will take three courses which will be delivered online. There will be an intensive three-day study weekend at the University of Glasgow which will be an opportunity for students to meet in face-to-face sessions.

### Core courses

- Developing as a strategic leader in global contexts
- Leading strategic change in global contexts
- The dynamics and dilemmas of ethical leadership.

### Career prospects

This programme aims to bring together aspiring world leaders in the field of education to create a global network that will have the academic and professional knowledge and skills to address the challenges facing education today and in the future. The programme, and its counterpart programme at McGill University, aims to advance the careers of the world's education leaders.

### Why choose Glasgow?

- This new online programme has been developed in collaboration with McGill University, Canada, and is designed to complement their Postgraduate Certificate in International Leadership in Educational & Administrative Development (I-LEAD).
- The programme is designed to provide leaders with the conceptual understandings and application to practice that will enable them to develop expertise in innovative leadership approaches, including transformative and sustainable leadership and system-level leadership.

## Assessment in Education (online)

**MSc Online Distance Learning:** 36 months part-time

This online distance learning programme engages critically with major issues in assessment, a highly significant topic for education systems across the world. It develops skills of assessment in relation to individual learners, to classrooms and schools and to local, national and international systems.

 [education-onlinemsc@glasgow.ac.uk](mailto:education-onlinemsc@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses across years 1 and 2. In year 3 you complete a piece of independent research, normally in the form of a dissertation. The full programme is delivered online utilising innovative technologies within a fully supported and interactive learning environment.

### Core courses

- Assessment for improvement, accountability and social justice
- Assessment for learning and progression
- Principles and practice of research
- Principles and theory of assessment for social justice.

### Optional courses may include:

- Curriculum, assessment and pedagogy: International perspectives
- Curriculum, assessment and pedagogy: Understanding learners
- Socially just assessment futures in the school context
- Theoretical underpinning and practical issues in tests and examinations.

### Career prospects

This programme addresses needs recognised as significant for local, national and international students, both teachers and policymakers. It will build a network of graduates who have high-level knowledge, skills and capabilities in assessment. The knowledge, skills and academic and professional standing gained will enable you to contribute effectively to local and national policymaking in your own context. You will also be well equipped to undertake further study through doctoral research.

### Why choose Glasgow?

- You will reflect on and critique theory, cutting-edge research and current policies and practice in assessment and consider the impact of these on social justice.
- You will have opportunities to collaborate and network with peers from a variety of work contexts and locations, to support critical reflection, peer and self-assessment and effective use of online distance learning.



## Childhood Practice

**MEd:** 36 months part-time  
**PgDip:** 24 months part-time

This programme is designed for current and aspiring leaders and managers in childhood practice who have undertaken, or are willing to undertake, a practitioner qualification. It provides a practice-based examination of the theoretical approaches important to leadership and management within childhood practice.

 [nicola.prior@glasgow.ac.uk](mailto:nicola.prior@glasgow.ac.uk)

### Programme structure

You will take six core courses. Courses will be delivered through a combination of lectures, seminars, tutorials and group project work.

### Core courses

- Childhood practice: building a professional learning community
- Contemporary perspectives on children and childhoods
- Leading improvements in childhood practice
- Practice placement A
- Practice placement B
- Practitioner enquiry and decision-making.

### Career prospects

If you have a leadership role in childhood practice settings (or are looking for such a role) the programme will enhance your personal and professional development.

### Why choose Glasgow?

- On successful completion of the programme you will meet the requirements of the Standard for Childhood Practice (Scottish Social Services Council, 2015).
- On successful completion of the diploma you will be given the opportunity to progress to Masters and undertake the dissertation element.

## Children's Literature & Literacies

**MEd:** 12 months full-time; 24/36 months part-time

This is the first programme in Scotland dedicated to children's and young adults' literature as a primary resource and a field of academic study. You will develop a specialisation that is highly valued in professions such as education, library services and children's media.

 [evelyn.arizpe@glasgow.ac.uk](mailto:evelyn.arizpe@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course and produce a dissertation based on a specialised topic.

### Core courses

- Children's literature and literacies: critical enquiry
- Introduction to educational and social research
- Modern educational thought
- Reframing language, literature and literacies for 21st-century life
- Texts for children: from the printing press to virtual reality.

### Optional courses may include:

- Advanced educational research
- Developing literacy
- Identities, relationships and behaviours
- International and comparative education
- Texts for diversity: language across learning for children with English as an additional language.

### Career prospects

This programme is an excellent source of professional development if you are already working in education, library services or children's media, or are looking to move into these areas.

### Why choose Glasgow?

- The programme gives you the opportunity to take a literary and critical stance to well-loved texts, as well as to contemporary authors whose texts push the boundaries of children's literature.
- You will investigate new developments in the production of texts for children using multimodal forms and digital technologies.

## Children's Literature, Media & Culture

**IntM:** 24 months full-time

This unique, two-year degree provides an interdisciplinary study of the interaction between children, texts and media, along with the opportunity to study and live in at least three European countries. You will be able to engage with an array of cultural events related to children's literature and media, and participate in a placement with a practitioner organisation.

 [evelyn.arizpe@glasgow.ac.uk](mailto:evelyn.arizpe@glasgow.ac.uk)

### Programme structure

The programme is structured around a series of mobility periods across two years when you study at the programme universities for one semester each. The periods of mobility are designed to enable you to engage with a variety of perspectives on the three core themes of the programme and promote valuable knowledge and practical skills-based outcomes that will feed into future career opportunities.

### Semester 1:

- September–December (Glasgow): Historical and critical perspectives.

### Semester 2:

- January–May (Aarhus): Children's Literature in a mediated world.

### Summer (optional):

- June–August (Vancouver).

### Semester 3:

- September–January: Pathway 1 (Barcelona) – Promotion of reading OR Pathway 2 (Tilburg) – Transcultural trajectories.

### Semester 4:

- February–July (Glasgow, Aarhus, Tilburg or Barcelona): independent study; dissertation.

### Career prospects

Graduates will develop key skills sought by many employers, including the ability to find, select and analyse texts and empirical data; confident and persuasive oral and written communication skills; and problem solving through creative and critical thinking. The programme provides excellent preparation for careers in media, education and literacy, publishing, archive and information studies, heritage and creative industries, as well as a springboard for PhD study and an academic career.

### Why choose Glasgow?

- This is a unique programme that draws on the recognised strengths of the consortium partners to offer a joint degree that engages in children's literature, media and culture.
- Glasgow is the leading partner in the consortium of universities that have developed this programme. The other universities are Aarhus University, Tilburg University and the Autonomous University of Barcelona.

## Education (online)

**MSc Online Distance Learning:**

30 months part-time; up to 5 years maximum

**PgDip Online Distance Learning:**

24 months part-time

**PgCert Online Distance Learning:**

12 months part-time

This programme offers you the opportunity to study at postgraduate level on a flexible, high-quality online distance learning basis. Building on your professional and personal interests and experiences, the programme will deepen and broaden your knowledge and understanding of education. Participating in analysis, critique and discussion of cutting-edge research, current practices and relevant policies, you will study in an online learning community.

 [education-onlinemsc@glasgow.ac.uk](mailto:education-onlinemsc@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses in years 1 and 2. You will also complete a dissertation in year 3 which reflects your research interests.

In addition to the general degree programme you have the opportunity to study on a specialist pathway.

- Adult education
- Curriculum, assessment and pedagogy
- Museum Education.

If undertaking the general degree programme, you have an opportunity to select from the specialist optional courses available in your year of study.

### Core courses

#### Year 1:

- Modern educational thinking
- Policy and practice.

#### Year 2:

- Principles and practices of research
- Research application.

### Career prospects

Career opportunities may include work in and across different educational sectors, including mainstream education, adult education, informal and community education and development, educational leadership, youth work, and educational publishing and policymaking. You will also be qualified to proceed to study for a PhD or EdD.

### Why choose Glasgow?

- This fully online distance learning programme is ideal for mainstream education professionals working in schools or further and higher education, for those working with adults, in youth work or community development, and for those wanting to enter the world of education.
- It is high-quality, fully supported online distance learning offering flexible part-time learning. The programme utilises a virtual learning environment incorporating wikis, blogs, RSS feeds and real-time interactive tools.



## Education (Primary/Secondary)

### Postgraduate Diploma in Education (PGDE):

10 months full-time.

Applications to PGDE must be made through UCAS.

This is a Masters-level qualification in teacher education.

[education-admissions@glasgow.ac.uk](mailto:education-admissions@glasgow.ac.uk)

#### Programme structure

The programme will prepare you to meet the demands of the profession through the following areas of study:

- Understanding learning and teaching
- Learning and teaching in the primary curriculum OR Learning and teaching in the secondary curriculum
- Professional enquiry
- School placements.

We also offer the Catholic Teacher's Certificate in Religious Education.

Secondary teaching qualifications are offered in the following subjects:

- Art and design
- Biology
- Business education
- Chemistry
- Computing
- English
- Geography
- History
- Mathematics
- Modern languages (French, French with Spanish, French with Italian, French with German, Spanish with French)
- Modern studies
- Physics
- Religious education.

#### Career prospects

You will have the General Teaching Council for Scotland qualification to pursue teaching roles in primary and secondary schools. Many of our graduates are teaching not only in Scotland's primary and secondary schools, but throughout the UK and abroad.

#### Why choose Glasgow?

- If you are an aspiring teacher, this programme will provide you with the knowledge, skills and values you need to become the committed professional necessary for today's schools.
- The programme consists of 18 weeks of study in the University and 18 weeks of school experience in our partner schools.

## Education, Public Policy & Equity

MSc: 12 months full-time; 24 months part-time

This programme provides the broad preparation needed for work in education policy. The teaching methods emphasise dealing with applied issues and facilitate your development as a critical thinker through engaging with real-life issues.

[kristinn.hermannsson@glasgow.ac.uk](mailto:kristinn.hermannsson@glasgow.ac.uk)

#### Programme structure

You will take five core courses and one optional course, and complete a research dissertation.

#### Core courses

- Education and public policy
- Educational policymaking in action
- Equity, social justice and change
- International and comparative education
- Practitioner enquiry and decision-making A.

#### Optional courses may include:

- Economics for education and public policy
- Higher education as a field of research, policy and practice
- International education policy
- Leadership in implementing education policy
- Modern educational thought.

#### Career prospects

Graduates will be equipped for careers as analysts, consultants, administrators, policymakers and leaders in the governance of education, whether in local, regional or national governments, international organisations, NGOs or large-scale education providers, such as school chains or private sector education firms.

Education is increasingly seen as part of a broader spectrum of public policy issues relating to health, social policy and the economy. Furthermore, it is expected to achieve an ever wider range of objectives, and policy discourse on education is increasingly international in scope. Therefore, working with education policy requires individuals with a broad skill set and an international outlook.

#### Why choose Glasgow?

- This interdisciplinary programme draws on sociology, political science and economics to provide rigorous and broad grounding in theory for studying education as a vital component of public policy.
- You will explore how equity in education influences equity in society and vice versa. Educational disadvantage and inequity do not exist in isolation from other forms of disadvantage. Therefore the programme critically analyses the ability of education policy to influence wider social issues.

## Educational Studies (MEd)

MEd: 12 months full-time; 24 months part-time

This programme deepens your understanding of education so that you can better analyse the practice, provisions and policy that are critical within your own professional context. It supports you in interrogating research literature and in undertaking educational research in your own areas of study.

[robert.doherty@glasgow.ac.uk](mailto:robert.doherty@glasgow.ac.uk)

#### Programme structure

You will take three core and three optional courses. These courses contribute to your development of research understanding and skills that then support you in conducting your own research-based dissertation.

#### Core courses

- Introduction to educational and social research
- Modern educational thought
- Seminars in contemporary issues in education.

#### Optional courses may include:

- Advanced educational research
- Conceptual frameworks in contemporary religious education
- Curriculum development in adult education
- Curriculum leadership in Catholic religious education
- Developing literacy
- Economics for education
- Education and international development
- Educational approaches to community learning and development
- Empowerment and social change
- Higher education as a field of research, policy and practice
- Highly able learners
- Identities, relationships and behaviours
- Inclusive classrooms, inclusive pedagogies
- International and comparative education
- International issues in adult education
- Perspectives of youth and young adulthood
- The evolving concept of inclusion
- The learner and the curriculum
- The psychology of adult learning
- Working with youth: Education and learning for change.

#### Career prospects

The programme will support your career development as a class teacher, lecturer, policy developer, special education professional, head teacher, education administrator or researcher.

#### Why choose Glasgow?

- This programme is designed for people from a range of backgrounds and at different stages in their careers.
- This programme is for you if you are a qualified teacher looking to extend and enhance your professional career. You will be given the opportunity of focusing on your own professional contexts and practices.

## Educational Studies (MSc)

MSc: 12 months full-time; 24 months part-time

This programme deepens your understanding of education so that you can better analyse the practice, provisions and policy that are critical within your own professional context. It supports you in interrogating research literature and in undertaking educational research in your own areas of study.

[robert.doherty@glasgow.ac.uk](mailto:robert.doherty@glasgow.ac.uk)

#### Programme structure

You will take four core and two optional courses. These courses contribute to your development of research understanding and skills that then support you in conducting your own research-based dissertation.

#### Core courses

- Advanced educational research
- Introduction to educational and social research
- Modern educational thought
- Seminars in contemporary issues in education.

#### Optional courses may include:

- Curriculum development in adult education
- Curriculum leadership in Catholic religious education
- Developing literacy
- Economics for education
- Education and international development
- Educational approaches to community learning and development
- Empowerment and social change
- Higher education as a field of research, policy and practice
- Highly able learners
- Identities, relationships and behaviours
- Inclusive classrooms, inclusive pedagogies
- International and comparative education
- Leadership in implementing education policy
- Museums, education and curriculum development
- Perspectives of youth and young adulthood
- The evolving concept of inclusion
- The learner and the curriculum
- The museum as a source of learning
- Working with youth: Education and learning for change.

#### Career prospects

The programme will support your career development as a class teacher, lecturer, policy developer, special education professional, head teacher, education administrator or researcher.

#### Why choose Glasgow?

- This programme is designed for people from a range of backgrounds and at different stages in their educationally focused careers.
- This programme is for people who are interested in entering the academic field of education from different perspectives such as education administration and strategy development.



## Educational Studies (Adult Education, Community Development & Youth Studies)

**MSc:** 12 months full-time; 24 months part-time

This programme provides you with the opportunity to study established and emerging theoretical dimensions of adult education, community development and youth studies. You will gain in-depth knowledge in a specialism of your choosing, as well as a solid foundation in educational and social research.

 [mia.perry@glasgow.ac.uk](mailto:mia.perry@glasgow.ac.uk)

### Programme structure

You will take four core courses (two of which will be dependent on your chosen specialist pathway) and two optional courses (chosen from the other specialist pathways). You will also undertake a research dissertation in your chosen specialism. Courses employ a range of teaching methods including lectures, seminars, teamwork and participatory teaching methods.

#### Core courses

- Introduction to educational and social research
- Modern educational thought.

#### Adult education

- International issues in adult and continuing education
- The psychology of adult learning.

#### Community development

- Educational approaches to community learning and development
- Empowerment and social change.

#### Youth studies

- Perspectives of youth and young adulthood
- Working with youth: education and learning for change.

### Career prospects

You will be well equipped for careers in public, private and third sector agencies concerned with adult education, community development or youth work, as well as policy development. In addition, it is an excellent professional development choice for those currently working in any of the three specialist fields. The programme also provides a solid pathway towards doctoral-level study.

#### Why choose Glasgow?

- The programme provides you with the key attributes for professions in adult education, community development and youth work, developing both in-depth knowledge and breadth.
- You will develop analytic and research skills, an interdisciplinary knowledge base, and a practical understanding of the settings in which adult education, community development and youth work take place.

## DUMFRIES CAMPUS Enhanced Practice in Education

**MSc:** 12 months full-time; 24 months part-time

This programme will provide you with the opportunity to develop confidence and skills to apply the principles of practitioner-based enquiry in education within your own work settings in order to initiate beneficial changes to the organisations in which you work.

 [jane.cavani@glasgow.ac.uk](mailto:jane.cavani@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses, followed by a research project.

#### Core courses

- Advanced research methods
- Leadership and management
- Reflective practice
- Working in an inter-agency environment.

#### Optional courses may include:

- A cultural history of animals
- Climate change: Impacts on ecology
- Critical perspectives on knowledge and power
- Critical thinking and communication
- Ecology, environment and conservation
- Environment, technology and society
- Environmental communication
- Environmental ethics and behavioural change
- Environmental politics and society
- Reading the environment: old and new world romanticisms
- Tourism, sustainability and climate change
- Writing the environment: modern and contemporary nature writing.

### Career prospects

On completion of the programme, you will have all the necessary attributes to progress to, or enhance your capabilities in, a leadership role within your organisation. If you work directly with young people (teachers, youth workers, police officers, probation officers, health workers), the programme is a worthwhile step in your professional development. It also provides a foundation for an academic career. The programme will support your career development as a class teacher, lecturer, policy developer, special education professional, head teacher, education administrator or researcher.

#### Why choose Dumfries?

- This programme is designed for people at different stages in their professional careers from a range of backgrounds in education and allied fields such as social work, psychology, health and policing.
- There is a focus on collaborative learning, drawing on your own experiences and those of your academic colleagues.

## Inclusive Education: Research, Policy & Practice (MEd)

**MEd:** 12 months full-time;  
72 months (maximum) part-time

This programme addresses contemporary issues in inclusion/special education. If you are a policymaker involved in inclusive education/special education at pre-school, school or tertiary level, this programme is designed to promote your understanding of the issues and practices relevant to this area.

 [margaret.sutherland@glasgow.ac.uk](mailto:margaret.sutherland@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses and complete a dissertation. The full programme can be studied over one year full-time. There are also flexible routes of study that allow teachers to progress towards a full Masters on a part-time basis. Courses are delivered during the day or evening or at a distance, to suit your needs.

#### Core courses

- Introduction to educational and social research
- Modern educational thought
- The evolving concept of inclusion
- The learner and the curriculum.

#### Optional courses may include:

- Developing literacy
- Highly able learners
- Inclusive classrooms, inclusive pedagogies
- Identities, relationships and behaviours.

### Career prospects

The programme will support your career development as a class teacher, lecturer, policy developer, special education professional, head teacher, education administrator or researcher.

#### Why choose Glasgow?

- Our research-informed courses will help you to think about practice and policy in the light of current educational thinking and enable you to consider how an inclusive/special education system might operate in schools and other educational institutions.
- You will discuss recent theories related to many of the conditions and labels associated with special educational needs/additional support needs and have the opportunity to develop practice that takes account of these within an inclusive framework. In particular you can specialise in autism, behaviour, gifted and talented, dyslexia, English as an Additional Language and disability.

## Inclusive Education: Research, Policy & Practice (PgDip/PgCert) (online)

**PgDip Online Distance Learning:**  
24 months part-time

**PgCert Online Distance Learning:**  
12 months part-time

This programme addresses contemporary issues in inclusion/special education. If you are a teacher involved in inclusive education/special education, this programme is designed to promote your understanding of the issues and practices relevant to this area.

 [margaret.sutherland@glasgow.ac.uk](mailto:margaret.sutherland@glasgow.ac.uk)

### Programme structure

You will take two or three core courses and one optional course. Courses are delivered during the day or evening or at a distance, to suit your needs.

#### Core courses

- Practitioner enquiry: developing inclusive pedagogy (PgDip only)
- The evolving concept of inclusion
- The learner and the curriculum.

#### Optional courses may include:

- Developing literacy
- Highly able learners
- Inclusive classrooms, inclusive pedagogies
- Identities, relationships and behaviours.

### Career prospects

The programme will support your career development as a class teacher, lecturer, policy developer, special education professional, head teacher, education administrator or researcher.

#### Why choose Glasgow?

- Our research-informed courses will help you to think about practice and policy in the light of current educational thinking and enable you to consider how an inclusive education system might operate in schools and other educational institutions.
- You will discuss recent theories related to many of the conditions and labels associated with special educational needs/additional support needs and have the opportunity to develop practice that takes account of these within an inclusive framework. In particular you can specialise in autism, behaviour, gifted and talented, dyslexia, English as an Additional Language and disability.



## Into Headship

PgCert: 12 months part-time

This professional programme is designed for aspiring school principals and school leaders in Scotland, to enable you to attain the Standard for Headship (GTCS, 2012). Through professional pedagogies, it focuses specifically on enabling you to develop a strategic approach to educational change.

 [margery.mcmahon@glasgow.ac.uk](mailto:margery.mcmahon@glasgow.ac.uk)

### Programme structure

You will take two core courses which are delivered via blended learning, combining face-to-face sessions (day schools, taking place on Wednesdays) with online sessions.

### Core courses

- Developing as a strategic leader (Three day schools)
- Leading strategic change (Five day schools).

The model of learning embedded within the programme is the development of theory in practice. You will learn through:

- **Reflection on/in practice:** through professional learning, becoming curious about and critically exploring professional practice.
- **Experiential learning:** learning through structured activities to question, try out and enhance practice.
- **Cognitive development:** developing ideas to challenge assumptions and deepen understanding of practice.
- **Collaborative learning:** learning with and through others to enhance practice.

### Career prospects

The programme aims to ensure aspirant head teachers are supported to develop and continue to build the necessary knowledge, skills and understanding required of senior leaders. The qualification is aimed at those teachers whose next post will be that of a head teacher, likely to be within two to three years.

### Why choose Glasgow?

- Accredited by the General Teaching Council for Scotland, the programme aligns with the Framework for Educational Leadership and is part of the national programme for the specialist qualification for headship in Scotland.
- The programme is designed to enable you to develop your personal capacity and capability to lead change for improvement and work with your school and its community to realise its strategic vision.

## In Headship

PgDip: 12 months part-time

This is a professional programme designed for aspiring school principals and school leaders in Scotland to enable you to attain the Standard for Headship (GTCS, 2012). Through professional pedagogies, it focuses specifically on enabling you to develop a strategic approach to educational change.

 [margery.mcmahon@glasgow.ac.uk](mailto:margery.mcmahon@glasgow.ac.uk)

### Programme structure

On successful completion of the PgCert Into Headship and on appointment to a headship post, you have the opportunity to undertake the PgDip In Headship, which will incorporate your certificate courses. You will take two core courses and one optional course.

### Core courses

- Pursuing equity and excellence in practice
- Shaping professional identity and practice: using critical reflection in the transition to headship.

### Optional courses may include:

- Curriculum leadership in religious education
- Foundations of leadership in Catholic schools
- Inclusive classrooms, inclusive pedagogies
- The dynamics and dilemmas of ethical leadership
- The evolving concept of inclusion
- The learner and the curriculum
- Working with youth: Education and learning for change.

### Career prospects

The programme aims to ensure aspirant head teachers are supported to develop and continue to build the necessary knowledge, skills and understanding required of senior leaders. The qualification is aimed at those teachers whose next post will be that of a head teacher, likely to be within two to three years.

### Why choose Glasgow?

- The programme is designed to enable you to develop your personal capacity and capability to lead change for improvement and work with your school and its community to realise its strategic vision.
- You will have opportunities to engage directly with policymakers through guest lectures by expert practitioners and leading researchers.

## Learning & Teaching in Higher Education (online)

MEd Online Distance Learning:

24 months part-time

PgDip Online Distance Learning:

12 months part-time

This programme offers the opportunity to deepen your understanding of academic practice within the university setting.

 [leads-medap@glasgow.ac.uk](mailto:leads-medap@glasgow.ac.uk)

### Programme structure

Courses are taught entirely online, allowing flexibility for you to balance your study and work commitments.

### Entrance credits

It is expected that the first 60 credits will be achieved through completion of the PgCert in Academic Practice or PgCert in Learning & Teaching in Higher Education, or equivalent.

### PgDip

- Designing higher education research
- Evaluating the quality of higher education research
- Exploring key themes in academic practice.

### MEd

- Dissertation.

### Career prospects

Masters-level study is increasingly recognised in the UK HE sector for staff development. The knowledge and skills you gain during this programme will help enhance your career in the university environment.

### Why choose Glasgow?

- This is Scotland's first distance learning Masters programme in Learning & Teaching in Higher Education.
- The programme is firmly grounded in current relevant research. Participants are supported to make connections between theory, evidence and their own learning and teaching practice.

## Middle Leadership & Management in Schools

PgCert: 12 months part-time

This programme for practising teachers covers the major elements of middle leadership and management in schools and is designed to provide you with a critical understanding of the principles underpinning middle leadership and management.

 [amy.mcknight@glasgow.ac.uk](mailto:amy.mcknight@glasgow.ac.uk)

### Programme structure

Each course combines a taught element, a distance learning element and an assignment drawing from your work in school. You will also participate in online activities to support the development of practice-focused tasks and assignments.

### Core courses

- Developing as a middle leader
- Leading change for improvement.

### Progression

This PgCert forms part of the MEd Professional Learning & Enquiry degree programme.

### Career prospects

As a graduate you would have all the necessary attributes to progress into, or enhance your capabilities in, a leadership role within schools.

### Why choose Glasgow?

- If you are a Principal Teacher (or head of department/faculty) or are looking to progress into this role, and want to develop your skills as a middle leader in school, this programme is designed for you.
- The programme uses practice-focused learning to develop your capability to lead teaching and learning within your school (department or faculty), particularly to achieve the ambitions of Curriculum for Excellence.



## Museum Education

**MSc:** 12 months full-time;  
24 months part-time



This programme will provide you with opportunities to develop a critical awareness of the historical, social, political, ethical and philosophical context of educating in and through the museum. It draws on the vast experience of academic staff, renowned for world-class, research-led teaching and will offer a unique link to the world-leading collections available within the University's museum and art gallery, The Hunterian, and other world-famous Glasgow museums.

[margaret.jago@glasgow.ac.uk](mailto:margaret.jago@glasgow.ac.uk)

### Programme structure

The programme comprises a blend of online and experiential learning opportunities. In addition to practical tutorials, you will engage with the online environment in order to share your ideas and experiences with other students.

The programme will encompass fieldwork in a variety of museum education-related settings and you will also have the opportunity to participate in field trips to a variety of museums, renowned for their varied and world-leading collections.

Core teaching is followed by a dissertation in which you will have the opportunity to identify an area of interest and to create a research project that allows in-depth critical explanation of your selected theme.

### Core courses

- Access and inclusion
- Introduction to educational and social research
- Modern educational thought
- Museums, education and curriculum development
- The museum as a source for learning
- Theory into practice (placement).

### Career prospects

This is a unique opportunity for teachers to secure a Masters qualification that will not only enhance their career prospects but that will extend, strengthen and instil confidence in their knowledge and skills in terms of learning in and through the museum. For those wishing to enter the field of museum education, or who already work in the sector, the programme offers the opportunity to develop practical skills and to apply theoretical knowledge through the placement.

### Why choose Glasgow?

The programme offers a blend of experiential and online learning. A variety of locations, varying from tutorial rooms and arts studios to state-of-the-art object rooms and teaching labs, supports high-quality teaching and learning.

## Museum Education (online)

**MSc Online Distance Learning:** 36 months part-time

This distance learning programme will provide you with exciting opportunities to develop critical knowledge and skills associated with learning in and through museums and galleries. Building on your academic, professional and personal experiences and qualifications, it will deepen your social, cultural, historical and philosophical understanding of museum education.

[education-onlinemsc@glasgow.ac.uk](mailto:education-onlinemsc@glasgow.ac.uk)

### Programme structure

Core teaching in years 1 and 2 is followed by a dissertation in year 3 in which you will have the opportunity to identify an area of interest and to create a research project that allows in-depth critical explanation of your selected theme. Teaching methods aim to visually and intellectually stimulate you in such a way as to recreate experiences associated with museum contexts and museum education. Films, podcasts, technologically generated images, online forums and other resources will be used to support learning. In year 2, you are required to undertake a placement in a setting relevant to your interest and area of expertise which will allow you to develop links with museum education bodies.

### Core courses

#### Year 1

- Modern educational thinking
- Museums, education and curriculum development
- The museum as a source for learning.

#### Year 2

- Access and inclusion
- Introduction to educational research
- Theory into practice.

### Career prospects

Whether you work in the field of education, museums or cultural heritage, or have an interest in museum education, the programme will equip you with the required knowledge and skills to pursue a career in museum education, as well as associated contexts.

### Why choose Glasgow?

- This fully online programme is ideal for those who work in museums and galleries, education, cultural heritage and other related sectors, as well as for those who wish to enter this field. The only distance learning programme of its kind in the UK, it offers high-quality, fully supported online distance learning on a flexible part-time basis.
- The programme utilises a virtual, interactive learning environment incorporating film, blogs, podcasts, forums and feeds. Engaging in a stimulating online community, you will participate in analysis, critique and discussion of current research, practices, provision and policies.

## Professional Learning & Enquiry

**MEd:** up to 5 years part-time on modular basis

This programme is designed for practising teachers who are either in or aspiring to leadership roles in education. The programme will cover the major elements of leadership and management in education and is designed to provide you with a critical understanding of the principles underpinning leadership and management.

[mike.carroll@glasgow.ac.uk](mailto:mike.carroll@glasgow.ac.uk)

### Programme structure

The programme is designed around teachers in full-time employment and follows a staged pathway towards a Masters qualification.

#### Years 1 and 2

Teachers can choose a starting point appropriate to their experience and role:

- **Developing reflective practice** for teachers in the induction year to build on their experiences in school
- **PgCert Teacher Leadership & Learning** for early-career teachers and teachers seeking to develop their teaching and leadership skills
- **PgCert Middle Leadership & Management in Schools** for aspiring and serving middle leaders to build skills in middle leadership.

#### Year 3

Optional courses selected from one of the following areas of study:

- Inclusive education
- Leading professional learning
- Middle leadership and management
- Supporting pupil learning
- Wider perspectives within educational studies such as inclusive education.

#### Years 4 and 5

You will complete a dissertation in an area of professional interest alongside the research methods course.

### Career prospects

This programme is designed for teachers looking to develop their understanding of teacher leadership, as well as leading to the opportunity of progressing into a variety of leadership roles such as principal teacher or senior school leadership or working as part of a local authority improvement team.

### Why choose Glasgow?

- The programme provides a coherent framework for leadership development at all levels. With the introduction of Professional Update, we offer a flexible programme for all teachers at different stages of their career.
- There is a focus on collaborative, enquiry-oriented learning, drawing on your own experiences and those of your academic colleagues to bring about improvement.

## Professional Practice with PGDE

**MEd:** 12 months part-time

As a recently qualified teacher, this extension programme will develop your ability to be critically reflective and explore your own practice in order to improve it. On successful completion of your PGDE you will have the opportunity to transfer your Masters-level credits into this programme.

[william.mcguire@glasgow.ac.uk](mailto:william.mcguire@glasgow.ac.uk)

### Programme structure

This extension programme is delivered online on a part-time basis, comprising one taught course (Practitioner enquiry and decision-making) and a professional practice dissertation, in order to fit in with workplace demands. You have five years from starting your PGDE study to complete this degree. There will also be face-to-face days (international students can participate via Skype).

### Career prospects

The majority of our graduates will pursue teaching roles in primary and secondary schools.

### Why choose Glasgow?

This programme will provide guidance in the ethical practice habits you need to embed into your own teaching.

## Religious Education by Distance Learning (CREDL) (online)

**Cert Online Distance Learning:**  
12 months part-time

This programme is recognised by the Bishops of Scotland as a preliminary qualification in generalist Catholic religious education for those who wish to teach religious education in Catholic primary or secondary schools. It is an online distance learning programme and covers aspects of theological education.

 [denise.porada@glasgow.ac.uk](mailto:denise.porada@glasgow.ac.uk)

### Programme structure

#### Core courses

- Aspects of theological education 1
- Aspects of theological education 2.

For each course you will produce a portfolio and a 1,500-word essay.

#### Career prospects

As a graduate you would have all the necessary attributes and accreditation to progress into teaching roles within Catholic education.

#### Why choose Glasgow?

- The Certificate in Religious Education by Distance Learning (along with the necessary church approval) will allow you to teach in Catholic schools.
- It will provide you with the requisite understanding of the main tenets of Catholic Christian theology, the Catholic vision of education and the methodology appropriate to Catholic religious education.

## Teacher Leadership & Learning

**PgCert:** 24 months part-time

This programme for practising teachers covers the major elements of teacher leadership and learning in schools and is designed to provide you with a critical understanding of the principles underpinning middle leadership and management. It will create structured and coherent opportunities to apply these principles to your own practice.

 [mike.carroll@glasgow.ac.uk](mailto:mike.carroll@glasgow.ac.uk)

### Programme structure

Each course combines a taught element, a distance learning element and an assignment drawing from your work in school. You will also participate in online activities to support the development of practice-focused tasks and assignments.

#### Core courses

- Developing as a leader
- Leading a project
- Working collaboratively.

#### Career prospects

As a graduate you would have all the necessary attributes to progress into, or enhance your capabilities in, a leadership role within schools.

#### Why choose Glasgow?

- This programme is for teachers looking to develop their understanding of pedagogic leadership and/or progress into the role of Principal Teacher (or Head of Department/Faculty), and to develop skills as a leader of learning in the classroom.
- It uses practice-focused learning to develop your capability to lead teaching and learning within your school (or department/faculty), particularly to achieve the ambitions of Curriculum for Excellence.

## Teaching Adults

**MSc:** 12 months full-time; 24 months part-time

**PgDip:** 9 months full-time; 18 months part-time

This programme provides you with a strong grounding in the practices and theoretical frameworks of teaching adults in various contexts of formal and informal education. In addition to core teaching, it includes a placement in an adult education setting and a research project designed around your specific area of interest.

 [mia.perry@glasgow.ac.uk](mailto:mia.perry@glasgow.ac.uk)

### Programme structure

You will take four core courses and undertake a credit-bearing work placement. For the MSc you will also complete a supervised research project, usually in the form of a dissertation. The placement allows you to work with an adult education agency for 100 hours. You can choose your own type of organisation and we will help to set the placement up.

Courses are delivered through seminars, fieldwork and self-directed or group projects, which provide great opportunities to build professional and personal relationships.

#### Core courses

- Curriculum development in adult and continuing education
- International issues in adult and continuing education
- Modern educational thought
- The psychology of adult learning.

#### Career prospects

As a graduate, you will be well equipped to find roles in adult education in local councils, community organisations, healthcare departments, and adult literacy, as well as a wide range of vocational education contexts. Many of our graduates have also gained employment in the higher education sector, including international and UK universities and colleges.

#### Why choose Glasgow?

- The programme is open to people with little or no experience in teaching adults, but also works well for those with more knowledge of the field.
- You will have the opportunity to gain real-life experience through the placement. It gives you the opportunity to relate theory to practice within an adult learning organisation of relevance and interest to you.

## TESOL (MSc)

**MSc:** 12 months full-time; 24 months part-time

This programme is for those who are interested in entering the TESOL field. It provides a special emphasis on how theory relates to practice.

 [carole.macdiarmid@glasgow.ac.uk](mailto:carole.macdiarmid@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses. You will also undertake a supervised research dissertation on an issue relevant to your area of interest.

#### Core courses

- Classroom processes
- Descriptions of language
- Developing professional practice
- Introduction to educational and social research.

#### Optional courses may include:

- Advanced educational research
- Developing literacy
- Highly able learners
- Identities, relationships and behaviours
- Inclusive classrooms, inclusive pedagogies
- Language proficiency, assessment and feedback
- Modern educational thought
- Teaching English for academic purposes
- Which English? Sociolinguistics and language teaching.

#### Career prospects

Career opportunities include positions as an English language teacher, course designer, test designer, course director and teacher educator.

#### Why choose Glasgow?

- If you are new to the field of TESOL, this programme is for you. It will give you the opportunity to develop your professional understanding of English language teaching through investigation of the links between theory, practice and current research.
- You will have opportunities to develop your confidence in teaching through linking theory to practice by observing lessons, planning tasks and micro-teaching to peers.



## TESOL (MEd)

**MEd:** 12 months full-time; 24 months part-time

This programme is for those who wish to further their own knowledge and skills in this field. It provides a special emphasis on how theory relates to practice.

 [julie.e.mcadam@glasgow.ac.uk](mailto:julie.e.mcadam@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses and undertake a supervised research dissertation on an issue relevant to your area of interest.

### Core courses

- Descriptions of language and applications to the classroom
- Introduction to educational and social research
- Language learning and applications to the classroom.

### Optional courses may include:

- Advanced educational research
- Course design and practice in English Language Teaching
- Developing literacy
- Highly able learners
- Identities, relationships and behaviours
- Language proficiency assessment and feedback
- Modern educational thought
- Social, emotional and behavioural difficulties
- Teaching English for academic purposes
- Which English? Sociolinguistics and language teaching.

### Career prospects

Career opportunities include positions as an English language teacher, course designer, test designer, course director and teacher educator.

### Why choose Glasgow?

- This programme allows you to extend and enhance your career and build on your previous English language teaching experience.
- You will be given the opportunity to build on your professional experience through further investigation of the links between theory, practice and current research. This is achieved through classroom observation, micro-teaching opportunities, collaborative learning and contextualised assessment.

## Research opportunities

We offer the following research study options:

**PhD, MLitt, MPhil, MSc Research.**

Our research areas include:

- Creativity, culture and faith
- Interdisciplinary learning, education, technology and society
- Professional learning and leadership
- Social justice, place and lifelong education
- Curriculum, assessment and pedagogy.

We also have a research centre, the Robert Owen Centre for Educational Change.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/research/opportunities/subjects/education](http://glasgow.ac.uk/research/opportunities/subjects/education)

## ENGINEERING

Glasgow has been delivering world-class engineering education and research since 1840.

We are ranked fourth in the UK in terms of research excellence across all Engineering disciplines (REF 2014) and have world-leading expertise in the research and teaching of:

- Aerospace engineering
- Biomedical engineering
- Civil engineering
- Electronics and electrical engineering
- Mechanical engineering.

Working at the cutting edge of technology, our research supports industrial innovation, helps preserve the environment and assists in the advancement of medical and biological science. By choosing to study with us, you will take advantage of a range of fully accredited degree programmes that set new standards in engineering education.

### Athena Swan Award

The school has an Athena Swan Bronze Award, demonstrating the school's commitment to supporting women in scientific studies and careers, and to improving the working environment for all.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Aerospace Engineering

**MSc:** 12 months full-time

The Masters in Aerospace Engineering is a multidisciplinary programme that covers all aspects of modern aircraft design. This involves developing essential knowledge and skills in advanced aerodynamics and aerospace systems. By choosing specific options in the second semester the degree programme can be tailored to provide specialisms in either Aeronautics or Systems.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Aerospace Engineering include lectures, seminars and tutorials and the opportunity to take part in lab, project and teamwork.

The summer period is dedicated to project work, with either academic or industrial placements providing the context for your project.

### Core courses

- Aircraft flight dynamics
- Control system analysis M
- Navigation systems
- Simulation of aerospace systems
- Space flight dynamics 1
- Viscous shear flows.

### Optional courses (four chosen)

- Advanced aerodynamics 5
- Aeroelasticity 5 or aircraft vibration and aeroelasticity 4
- Aerospace propulsion M
- Aircraft handling qualities and control 5\*
- Autonomous vehicle guidance systems
- CFD 5 or CFD 4
- Composite airframe structure
- Fault detection, isolation and reconfiguration
- High speed aerodynamics 4
- Radar and electro-optic systems
- Robust control 5
- Rotorcraft aeromechanics M
- Spacecraft systems 2
- Turbulent flows 5.

\* Subject to availability on flight test course and may incur additional charge.

### Career prospects

Career opportunities include aerospace, defence, laser targeting systems, renewable energy, radar development, structural engineering, autonomous systems and systems modelling.

Graduates of this programme have gone on to work for companies such as Alten, Iberia Express and Utc Aerospace Systems. Positions include avionic and mission system engineer, scientist and graduate engineer.

### Why choose Glasgow?

Aeronautical & Manufacturing Engineering at Glasgow is ranked 7th in the UK and 1st in Scotland (Complete University Guide 2019).

[glasgow.ac.uk/subjects/engineering/postgraduate](http://glasgow.ac.uk/subjects/engineering/postgraduate)

## Aerospace Engineering & Management

**MSc:** 12 months full-time

The Masters in Aerospace Engineering & Management introduces you to contemporary business and management issues while increasing your depth of knowledge in your chosen aerospace engineering speciality.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

September entry students start with management courses and January entry students with engineering courses.

### Semester 1

You will be based in the Adam Smith Business School, developing knowledge and skills in management principles and techniques.

### Core courses

- Contemporary issues in human resource management
- Managing creativity and innovation
- Managing innovative change
- Marketing management
- Operations management
- Project management.

### Semester 2

You will study engineering courses, which aim to enhance your group working and project management capability at the same time as improving your depth of knowledge in chosen aerospace engineering subjects.

### Core courses

- Integrated systems design project.

### Optional courses (four chosen)

- Advanced aerodynamics 5
- Aeroelasticity 5 or aircraft vibration and aeroelasticity 4
- Aerospace propulsion M
- Autonomous vehicle guidance systems
- CFD 5 or CFD 4
- Composite airframe structures
- Fault detection, isolation and reconfiguration
- Introduction to wind engineering
- Radar and electro-optic systems
- Robust control 5
- Rotorcraft aeromechanics M
- Spacecraft systems 2
- Turbulent flows 5.

### Career prospects

Career opportunities include positions in aerospace, defence, renewable energy, nuclear energy and management. You can also continue studying, for a research Masters or a PhD.

### Why choose Glasgow?

Aeronautical & Manufacturing Engineering at Glasgow is ranked 7th in the UK and 1st in Scotland (Complete University Guide 2019).

## Biomedical Engineering

**MSc:** 12 months full-time

The Masters in Biomedical Engineering is an interdisciplinary programme that will equip you for employment within the biomedical engineering sector. This programme addresses all the key aspects of biomedical engineering.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Biomedical Engineering include lectures, seminars and tutorials and allow you the opportunity to take part in lab work, team work and study trips in the UK. You will undertake an MSc project working on a specific research area with one of the academics.

### Core courses

- Applications of biomedical engineering
- Biological fluid mechanics
- Cellular biophysics
- Energy in biological systems
- Medical imaging
- Statistics for biomedical engineering
- MSc project.

### Optional courses may include:

- Advanced imaging and therapy
- Applied engineering mechanics
- Bioinformatics and systems biology
- Biomechanics
- Biosensors and diagnostics
- Microscopy and optics
- Nanofabrication
- Rehabilitation engineering
- Scaffolds and tissues
- Signal processing of bio-signatures
- Tissue and cell engineering.

### Career prospects

Career opportunities include positions in rehabilitation engineering, biomaterials for reconstructive surgery, biosensors, device and implant design and development, and biosignal processing.

### Why choose Glasgow?

- The University of Glasgow's School of Engineering has been delivering engineering education and research for more than 150 years and is the oldest School of Engineering in the UK.
- Biomedical Engineering is the newest division of the School, bringing together our long-standing expertise. Research covers four themes: Biomaterials and Tissue Engineering, Bionanotechnology, Rehabilitation Engineering, and Biosensors and Diagnostics.

## Civil Engineering

**MSc:** 12 months full-time

This Masters in Civil Engineering teaches you advanced knowledge and associated analytical and problem-solving skills in a range of key sub-disciplines of Civil Engineering. The MSc in Civil Engineering is intended for students with a first degree in Civil Engineering or a closely related discipline who wish to extend their expertise to a higher level in preparation for a professional career.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc Civil Engineering include lectures, tutorials, design classes and computing labs, and give you the opportunity to take part in team design projects, other coursework and project-based activities, and a major individual project.

### Core courses

- Civil design project
- Integrated systems design project.

### Optional courses may include:

Select a total of eight courses, at least five of which must be from List A:

### List A

- Advanced concrete performance
- Advanced soil mechanics 5
- Advanced structural analysis and dynamics 5
- Applied engineering mechanics 4
- Introduction to wind engineering
- Principles of GIS
- Reclamation of contaminated land 5
- Structures under extreme loads.

### List B

- Advanced steel and concrete design 4
- Environmental biotechnology 4
- Geotechnical engineering 4
- Ground engineering 4
- Renewable energy 4
- Structural analysis 4
- Transportation systems engineering 4.

### Career prospects

Career opportunities include positions in civil engineering, structural engineering and environmental engineering, and working with design consultants, contractors and public authorities or utilities.

Graduates of this programme have gone on to positions in companies such as VINCI and Atkins.

### Why choose Glasgow?

Civil Engineering at Glasgow is ranked 3rd in the UK and 1st in Scotland (Complete University Guide 2019).

## Civil Engineering & Management

**MSc:** 12 months full-time

This Masters in Civil Engineering & Management introduces you to contemporary business and management issues while increasing your depth of knowledge in your chosen civil engineering speciality.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

September entry students start with management courses and January entry students with engineering courses.

### Semester 1

You will be based in the Adam Smith Business School.

- Contemporary issues in human resource management
- Managing creativity and innovation
- Managing innovative change
- Marketing management
- Operations management
- Project management.

### Semester 2

You will study engineering courses, which aim to enhance your group working and project management capability at the same time as improving your depth of knowledge in chosen civil engineering subjects.

- Integrated systems design project.

### Optional courses

Select a total of four courses from Lists A and B, at least one of which must be from List A:

### List A

- Advanced soil mechanics 5
- Advanced structural analysis and dynamics 5
- Introduction to wind engineering
- Principles of GIS
- Structures under extreme loads.

### List B

- Geotechnical engineering 3
- Ground engineering 4
- Reclamation of contaminated land 5
- Structural analysis 4
- Transportation systems engineering 4.

### Project or dissertation

You will undertake an individual project or dissertation.

### Career prospects

Career opportunities include positions in civil and environmental engineering consultancies; engineering contractors; and both local and national public authorities.

Graduates of this programme have gone on to work for companies such as BMT Asia Pacific and VINCI.

### Why choose Glasgow?

Civil Engineering at Glasgow is ranked 3rd in the UK and 1st in Scotland (Complete University Guide 2019).



## Computer Systems Engineering

**MSc:** 12 months full-time

This Masters in Computer Systems Engineering provides an extensive introduction to state-of-the-art miniaturised and mobile computer systems and smart device technology. This allows you to acquire the complementary hardware and software knowledge and skills required to design and develop such systems.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Computer Systems Engineering include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

### Core courses

- Digital signal processing
- Human-machine interaction
- Integrated systems design project
- Software engineering
- MSc project.

### Optional courses may include:

- Advanced operating systems
- Artificial intelligence
- Computer architecture
- Crypto secure devices
- Cyber system forensics
- Digital communications
- Internet technology
- Microwave and millimetre wave circuit design
- Optical communications
- Real-time embedded programming
- Safety critical systems
- Web science.

### Career prospects

Career opportunities include positions in software development, chip design, embedded system design, telecommunications, video systems, automation and control, aerospace, development of PC peripherals and FPGA programming, defence, and services for the heavy industries: for example, generator and industrial motor control systems.

### Why choose Glasgow?

- If you are a computer engineering graduate, this programme will enhance your knowledge; if you are an electronic engineering graduate you can focus on developing your software skills; or if you are a computer science graduate you can focus on developing your hardware skills.
- You will be taught jointly by the Schools of Engineering and Computing Science. You will benefit from their combined resources and expertise and from an industry-focused curriculum.

## Electronics & Electrical Engineering

**MSc:** 12 months full-time

This Masters in Electronics & Electrical Engineering provides research-informed knowledge in a broad spectrum of specialist topics with immediate application to industrial problems. These topics range from electrical supply through advanced systems control to high-speed electronics. This programme offers a flexible structure that enables both new graduates and more established engineers to tailor their learning experience to meet the needs of their future career.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Electronics & Electrical Engineering include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

### Core courses

- Integrated systems design project
- MSc project.

### Optional courses may include:

- Acoustics and audio technology
- Advanced devices
- Biosensors and diagnostics
- Control
- Digital communications
- Digital signal processing
- Electrical energy systems
- Energy conversion systems
- Lasers and integrated optics
- Micro and nanotechnology
- Microwave and millimetre wave circuit design
- Optical communications
- Power electronics and drives
- Real-time embedded programming
- Robotics
- VSLI design.

### Career prospects

Career opportunities include chip design, embedded system design, telecommunications, video systems, automation and control, aerospace, software development, development of PC peripherals and FPGA programming, defence, and services for the heavy industries, such as electricity generation equipment and renewables plant.

Graduates of this programme have gone on to work for companies such as JP Morgan, Multi-Sense Technologies and iTeam.

### Why choose Glasgow?

Electrical & Electronic Engineering at Glasgow is ranked 5th in the UK and 1st in Scotland (Complete University Guide 2019).

## Electronics & Electrical Engineering & Management

**MSc:** 12 months full-time

The Masters in Electronics & Electrical Engineering & Management introduces you to contemporary business and management issues while increasing your depth of knowledge in your chosen speciality of electronics and electrical engineering.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

September entry students start with management courses and January entry students with engineering courses.

### Semester 1

You will be based in the Adam Smith Business School.

### Core courses

- Contemporary issues in human resource management
- Managing creativity and innovation
- Managing innovative change
- Marketing management
- Operations management
- Project management.

### Semester 2

You will study engineering courses, which aim to enhance your group working and project management capability at the same time as improving your depth of knowledge in chosen electronics and electrical engineering subjects.

### Core course

- Integrated systems design project.

### Optional courses may include:

- Advanced devices
- Electrical energy systems
- Energy conversion systems
- Micro and nanotechnology
- Microwave and millimetre wave circuit design
- Optical communications
- Real-time embedded programming.

### Project or dissertation

You will undertake an individual project or dissertation in summer.

### Career prospects

Career opportunities include software development, chip design, embedded system design, telecommunications, video systems, automation and control, aerospace, development of PC peripherals and FPGA programming, defence, and services for the heavy industries such as electricity generation equipment and renewables plant.

Graduates have gone on to work for companies such as TOTAL and OSCO SDN BHD.

### Why choose Glasgow?

Electrical & Electronic Engineering at Glasgow is ranked 5th in the UK and 1st in Scotland (Complete University Guide 2019).

## Electronics Manufacturing

**MSc:** 12 months full-time

The Masters in Electronics Manufacturing will provide you with both practical skills and knowledge of the science and theory underpinning traditional electronics manufacturing techniques, along with more novel techniques in nanofabrication and microforming. The programme is ideal for you if you are keen to pursue a career in the development of integrated electronic, MEMS and photonic components for anything from biomedical implants to the latest consumer phone.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Electronics Manufacturing include lectures, tutorials and design classes, allowing students the opportunity to take part in lab, and design project work. All students participate in an interdisciplinary team project, and a major individual project.

### Core courses

- Introduction to advanced manufacturing
- Fundamentals of manufacturing and CAD
- Advanced manufacture
- Reliability engineering
- Integrated system design project
- MSc project.

### Optional courses may include:

- Nanofabrication
- Micro and nano technology
- Materials engineering
- Advanced materials technology
- Advanced devices
- Lasers and integrated optics
- Ultrasound technology and applications
- Microwave and mm wave circuit design
- Integrated engineering design.

### Career prospects

Our graduates are well represented in manufacturing companies and a wide range of industries in the UK and internationally. You will be well equipped for a variety of industrial career paths in manufacturing, depending on your choice of specialist optional courses.

Recent graduates from the School of Engineering have been employed by Apple, Bosch, Dyson, Jaguar Land Rover, BAE Systems and Rolls-Royce.

### Why choose Glasgow?

Students taking nanoscale manufacturing options will work in the James Watt Nanofabrication Centre, which holds a number of world records in nano-manufacturing, and boasts a 1,350m<sup>2</sup> cleanroom and over £32m of fabrication tools.

## Mechanical Engineering

**MSc:** 12 months full-time

This Masters in Mechanical Engineering provides advanced experience of the central role that manufacture and design take in the integration of mechanical engineering.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Mechanical Engineering include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

You will undertake a project where you will apply your newly learned skills and show to future employers that you have been working on cutting-edge projects relevant to the industry.

### Core courses

- Advanced manufacture
- Integrated engineering design project.

### Optional courses may include:

- Advanced thermal engineering
- Control
- Dynamics
- Lasers
- Materials engineering
- Ultrasonics
- Vibration.

### Career prospects

Career opportunities include positions in engineering design, materials and mechanics, dynamics, control, desalination technology and thermal science.

### Accreditation

The MSc Mechanical Engineering is accredited by the Institution of Mechanical Engineers. An accredited degree will provide you with some or all of the underpinning knowledge, understanding and skills for eventual registration as an Incorporated (IEng) or Chartered Engineer (CEng). Some employers recruit preferentially from accredited degrees, and an accredited degree is likely to be recognised by other countries that are signatories to international accords.

### Why choose Glasgow?

- The University of Glasgow's School of Engineering has been delivering engineering education and research for more than 150 years and is the oldest School of Engineering in the UK.
- Mechanical Engineering at Glasgow is ranked 2nd in Scotland (Complete University Guide 2019).

## Mechanical Engineering & Management

**MSc:** 12 months full-time

The Masters in Mechanical Engineering & Management offers you the opportunity to develop the knowledge and skills needed for modern engineering or technology management. The programme content includes design engineering and other mechanical engineering disciplines.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

September entry students start with management courses and January entry students with engineering courses.

### Semester 1

You will be based in the Adam Smith Business School.

### Core courses

- Contemporary issues in human resource management
- Managing creativity and innovation
- Managing innovative change
- Marketing management
- Operations management
- Project management.

### Semester 2

You will study engineering courses, which aim to enhance your group working and project management capability at the same time as improving your depth of knowledge in chosen mechanical engineering subjects.

### Core course

- Integrated systems design project.

### Optional courses may include:

- Dynamics
- Materials engineering
- Vibration.

### Project or dissertation

You will undertake an individual project or dissertation work in the summer period.

### Career prospects

Career opportunities include positions in project management, engineering design, materials & mechanics, dynamics, control and desalination technology.

Graduates of this programme have gone on to work for companies such as Procter & Gamble and Worcester Bosch.

### Why choose Glasgow?

You will be taught jointly by staff from the School of Engineering and the Adam Smith Business School. You will benefit from their combined resources and expertise and from an industry-focused curriculum.

## Mechatronics

**MSc:** 12 months full-time

The Masters in Mechatronics is a fusion of mechanical, electrical, electronic and control engineering. Modern industry depends for its success in global markets on its ability to integrate these subjects into both the manufacturing process and innovative products and systems.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Mechatronics include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

You will undertake a project where you will apply your newly learned skills and show to future employers that you have been working on cutting-edge projects relevant to the industry.

### Core courses normally offered include:

- Data signal processing
- Integrated system design project.

### Optional courses may include:

- Advanced integrated circuit design
- Advanced manufacture
- Auto vehicle guidance systems
- Control
- Fault detection, isolation and reconfiguration
- Lasers
- Power electronics and drives
- Real-time embedded programming
- Robotics 4.

### Career prospects

Career opportunities include manufacturing production systems; system design and manufacture; product engineering and manufacture.

Graduates of this programme have gone on to positions such as software engineers.

### Why choose Glasgow?

- Electrical & Electronic Engineering at Glasgow is ranked 5th in the UK and 1st in Scotland (Complete University Guide 2019).
- The School of Engineering has extensive contacts with industrial partners who contribute to several of their taught courses, through active teaching, curriculum development, and panel discussion. Recent contributors in the area of Mechanical Engineering include Babcock, Howden, Doosan and Terex.

## Nanoscience & Nanotechnology

**MSc:** 12 months full-time

The Masters in Nanoscience & Nanotechnology teaches skills desired by modern industry for scientists and engineers doing research, development and production in nanoscience and nanofabrication. This multidisciplinary programme complements backgrounds in electronics, materials science or physics.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Nanoscience & Nanotechnology include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

### Core courses

- Electronic devices
- Introduction to research in nanoscience and nanotechnology
- Micro-technology and nanotechnology
- Nanofabrication
- Research methods and techniques
- MSc project.

### Optional courses may include:

- Advanced devices
- Applied optics
- Cellular biophysics
- Microwave and millimetre wave circuit design
- Microscopy and optics
- Nano and atomic scale imaging
- Semiconductor physics.

### Career prospects

Companies actively recruit from Glasgow and our research in nanosciences, nanofabrication, nanoelectronics, optoelectronics and nanotechnology means you will have access to industry networks.

Former Glasgow graduates in the subject area of nanoscience and nanotechnology are now working for companies including Intel, TSMC, IBM, STMicroelectronics, Freescale, Oxford Instruments Plasma Technology, ASM, and Applied Materials.

### Why choose Glasgow?

- The University of Glasgow is a recognised pioneer in many of the most exciting aspects of nanotechnology, with an international reputation in micro and nanofabrication for applications including nanoelectronics, optoelectronics and bioelectronics.
- You will have access to the James Watt Nanofabrication Centre (JWNC) cleanrooms and the Kelvin Nanocharacterisation Centre. The JWNC holds a number of world records in nanofabrication including records for the performance of nanoscale electronic and optoelectronic devices.



## Product Design Engineering

**MSc:** 12 months full-time

The Masters in Product Design Engineering, taught in collaboration with the School of Design and Glasgow School of Art (GSA), will develop your ability to design products with significant engineering content, address user needs, and optimise solutions for specific markets.

[c.whittet@gsa.ac.uk](mailto:c.whittet@gsa.ac.uk)

### Programme structure

You will attend lectures, seminars and tutorials and take part in lab, project, team and studio work, industrial visits, and workshops.

#### Core courses

- Advanced manufacture
- Core research skills for postgraduates
- Human factors
- Integrated engineering design
- Microelectronics in consumer products
- Product design engineering introduction project
- MSc project.

#### Optional courses may include:

- Instrumentation and data systems
- Software engineering
- The Glasgow School of Art elective (you will choose from a list of options).

#### Career prospects

Career opportunities include product research and development, system design, product manufacture and engineering design. The programme aims to provide opportunities to work on live projects with industry; this can lead to employment opportunities. Examples of companies that employ our Product Design Engineering graduates are Apple, Dell, Dyson, Jaguar Land Rover, TomTom and Smart.

#### Accreditation

The MSc Product Design Engineering is accredited by the Institution of Mechanical Engineers. An accredited degree will provide you with some or all of the underpinning knowledge, understanding and skills for eventual registration as an Incorporated (IEng) or Chartered Engineer (CEng). Some employers recruit preferentially from accredited degrees, and an accredited degree is likely to be recognised by other countries that are signatories to international accords.

#### Why choose Glasgow?

- This exciting programme will enable you to benefit from the combined resources and complementary expertise of two top-ranking Scottish institutions, University of Glasgow and GSA (GSA is ranked 16th in the world for Art & Design, QS World Rankings 2018).
- The studio-based, student-centred learning is focused around design project activities. You will have access to state-of-the-art product design engineering prototyping and manufacturing processes in the PDE workshops at GSA and the University of Glasgow.

## Structural Engineering

**MSc:** 12 months full-time

Structural engineers ensure that buildings and infrastructure are safe to use and can resist natural and human-made disasters. This MSc in Structural Engineering is ideal for those who have an engineering undergraduate degree and would like to specialise at Masters level, providing you with a range of methods that will help you to analyse and design structures so that they are safe and durable. Skills acquired within this programme are desirable for a range of industries such as civil, automotive, nuclear and aeronautical engineering.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Structural Engineering include lectures, seminars, tutorials, a group design project and individual projects.

#### Core courses

- Advanced concrete performance
- Advanced soil mechanics
- Advanced steel and concrete design
- Advanced structural analysis and dynamics
- Finite element analysis
- Structures in action
- Structures under extreme loads
- Structural engineering research project
- Conceptual design project.

As part of the core courses, you will undertake a team-based conceptual design project (20 credits), an individual structural engineering review project (10 credits) and an individual structural engineering research project (20 credits).

#### Career prospects

Graduates of this programme have gone on to work for companies such as Mott MacDonald, Technip, Halliburton, Design ID, Wood Group and p2ml. Positions include structural engineer, project engineer and research fellow.

#### Why choose Glasgow?

- Structural Engineering is one of the core strengths of civil engineering. Civil Engineering at Glasgow is ranked 3rd in the UK and 1st in Scotland (Complete University Guide 2019).
- If you intend to pursue a career in this specialist area of civil and structural engineering, in design consultancies and elsewhere, or if you want to transfer from other engineering disciplines, this programme is designed for you.

## Sustainable Energy

**MSc:** 12 months full-time

This Masters in Sustainable Energy is an interdisciplinary programme that will equip you for employment within the international energy sector, addressing all the key aspects of sustainable energy, from the most advanced technologies through to ethical and economic considerations.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Sustainable Energy include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

#### Core courses

- Energy and environment
- Energy conversion systems
- Integrated system design project
- Renewable energy
- MSc project.

#### Optional courses may include:

- Electrical energy systems
- Environmental biotechnology
- Environmental ethics and behavioural change
- Introduction to wind engineering
- Nuclear power reactors
- Power electronics and drives
- Project planning, appraisal and implementation
- Theory and principles of sustainability.

#### Career prospects

Graduates may expect to forge careers in established energy generation and transmission companies, energy consultancy businesses, traditional companies moving rapidly into renewables, or fresh new companies in the wind, marine, solar or biomass sectors. Scotland, in particular, has seen great expansion in sustainable energy businesses in the last decade, with some of the best worldwide potential for wind, wave and tidal generation.

Graduates of this programme have gone on to work for companies such as Town Rock Energy, Renewables First and Cognolink. Positions include geothermal energy engineer, research analyst, hydropower engineer and research assistant.

#### Accreditation

This programme is accredited by the Institution of Mechanical Engineering, which will provide you with the basis for registration as an Incorporated (IEng) or Chartered Engineer (CEng).

#### Why choose Glasgow?

This programme provides an in-depth knowledge of the social and economic drivers of the current UK and international energy industry, and insights into the behavioural, business and technical aspects of energy production and distribution.

## Research opportunities

We offer the following research study options:

**PhD, MSc (Res).**

The School of Engineering has five research divisions; within these our research expertise covers the following areas:

- Aerospace sciences – Experimental and computational aerodynamics, rotorcraft, systems, design, structures, space, energy and propulsion.
- Biomedical engineering – Advanced medical diagnostics, rehabilitation engineering and assistive technologies, biomaterials and synthetic biology.
- Electronics and nanoscale engineering – Electronic, photonic, microsystem and nanofabrication technologies. Key areas of interest include sensors, telecommunications, quantum information processing, terahertz and millimetre wave technology, advanced microelectronic devices, device simulation, metrology and instrumentation.
- Infrastructure and environment – Water and environmental engineering and mechanics and modelling of materials.
- Systems, power and energy – Energy, space systems, healthcare, manufacturing, wireless communications and automotive engineering. Key areas of interest include renewable energy and high-efficiency energy conversion processes, medical and industrial ultrasonics, materials, advanced and digital manufacturing, planetary exploration, space systems and wireless and radar systems.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/schools/engineering/research/divisions](http://glasgow.ac.uk/schools/engineering/research/divisions)


## ENGLISH & SCOTTISH LITERATURE & LANGUAGE

The University of Glasgow is one of the UK's oldest, largest and most dynamic centres for the study of English and Scottish literature and language.

- We host the only academic unit in the UK exclusively dedicated to the teaching and research of Scottish literature.
- We are home to the Centre for Robert Burns Studies, dedicated to research on Scotland's national bard.
- We have world-leading expertise in modern English language and linguistics, English historical linguistics, Scots and English in Scotland, and medieval English studies.
- We won the Queen's Anniversary Prize for Higher Education in 2017 for our work in English Language over the last 50 years.

Glasgow was ranked 3rd in the UK and 1st in Scotland for research strength in English Language & Literature (REF 2014).

English Language & Literature at Glasgow is ranked 42nd in the world (QS World Rankings 2018).

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Applied Linguistics

**MSc:** 12 months full-time

Glasgow's Masters in Applied Linguistics focuses primarily on how research into linguistics can help solve language-related problems in professional settings. It is designed for you to become a research-led specialist in the connections between language and education, intercultural communication, and professional discourse. You will design and undertake your own applied research project as part of this degree.

 [critstudies-pgapplications@glasgow.ac.uk](mailto:critstudies-pgapplications@glasgow.ac.uk)

This programme is subject to approval.

### Programme structure

Teaching is delivered across two semesters, followed by your own in-depth research-led dissertation in applied linguistics.

#### You will undertake the following core courses:

- Research training
- Issues in applied linguistics.

#### Optional courses may include:

Alongside optional courses in Applied Linguistics, the programme also offers a range of optional courses from linguistics, English and other disciplines, enabling you to create your own Masters programme. The programme convener will work with you to ensure that a good portfolio of courses is constructed, according to your personal aims and objectives.

#### Career prospects

Masters graduates in Applied Linguistics have a wide range of career options available to them. The degree enables graduates to develop their career internationally, or enter an education career at a higher level. You will also be well qualified to study for a PhD in Applied Linguistics or Linguistics more generally.

#### Why choose Glasgow?

- A key strength of this programme is its flexibility, allowing you to take specialist courses in Applied Linguistics alongside a wide range of other topics of your choosing, including discourse analysis, name studies, psycholinguistics, sociolinguistics, phonetics and more.
- Our facilities include an outstanding provision of linguistic laboratories, including digital humanities, corpus resources and phonetics.

## English Language & Linguistics

**MSc:** 12 months full-time; 24 months part-time

You will combine advanced study in historical and modern aspects of English language and English linguistics. This programme provides career opportunities in research, teaching, publishing and lexicography among others.

 [critstudies-pgenquiries@glasgow.ac.uk](mailto:critstudies-pgenquiries@glasgow.ac.uk)

### Programme structure

You will learn through a combination of lectures, regular seminars, formative essay writing and attendance at supplementary classes and seminars. Assessment includes portfolios of essays and other assignments, and the dissertation topic can be selected from a number of options in historical and modern English language and English linguistics, including Phonetics and phonology; Semantics; Sociolinguistics; Psycholinguistics; Experimental design and data analysis; Corpus linguistics; Written text analysis; History of English; Medieval English; Manuscripts and historical texts; Onomastics; and Older Scots.

You may also be able to take courses on offer in some programmes in the College of Arts, such as Medieval & Early Modern English Literature & Culture, and Classics. You will take courses in research skills and methods.

The remainder of the programme is dedicated to your individual dissertation work, under the guidance of an assigned supervisor.

Please note that the availability of core courses depends on staff availability; the availability of optional courses depends on student take-up and staff availability.

Part-time students take two core subject courses and the graduate training course and one optional course in their first year, and two optional courses and the dissertation in their second year of study.

#### Career prospects

Career opportunities include teaching, publishing, digital analysis, journalism and lexicography. You can take advantage of opportunities to establish or advance your career as a writer or editor, or to work in museums, schools or academia. Other graduates have used their specialist knowledge to gain positions in the media or in business.

#### Why choose Glasgow?

- You will have access to Glasgow's Special Collections, with its large collection of medieval and renaissance manuscripts and early printed books, as well as to professional-standard equipment for the analysis of speech data in the University's Phonetics Lab.
- This programme is a research training Masters in line with Arts & Humanities Research Council practice and is an accredited part of the training programme of the Economic and Social Research Council Scottish Doctoral Training Centre.

## English Literature

**MLitt:** 12 months full-time; 24 months part-time

This programme provides you with an outstanding learning experience with some of the UK's most respected English literature academics. It allows you the flexibility to tailor-make your own Masters by combining research and skills training with a wide range of specialist taught options in our areas of research expertise.

 [critstudies-pgenquiries@glasgow.ac.uk](mailto:critstudies-pgenquiries@glasgow.ac.uk)

### Programme structure

This programme involves taught courses plus a period of research and writing over the summer. You will study one core and five optional courses, and undertake supervised study of a specialised topic of your choice, researching and writing a 15,000-word dissertation. With the convener's permission, you may select one of your special topic courses from any MLitt course offered in the College of Arts.

We offer five pathways through the MLitt, depending on your special topic course choices and dissertation topic. These are:

- English Literature: Fantasy
- English Literature: Medieval and Early Modern Literature and Culture
- English Literature: Modernities
- English Literature: Romantic Worlds
- English Literature: Victorian Literature.

This programme incorporates the school's graduate training course, which will prepare you to work on your dissertation and to undertake a proposal and funding application for PhD work, should you choose to pursue doctoral research.

Part-time students take two core subject courses and the graduate training course and one optional course in their first year, and two optional courses and the dissertation in their second year of study.

#### Career prospects

The critical and analytic skills you will develop and the ability to conduct rigorous independent study make this programme an ideal step towards an academic career. Other graduates have gone into careers in writing, editing, teaching and the media.

#### Why choose Glasgow?

You will have access to the University's Special Collections, which has outstanding holdings in medieval manuscripts and incunabula, including the unique manuscript of Chaucer's *Romaunt of the Rose*; and in early modern texts, including our world-famous collections of Emblem Books, Renaissance Bibles, Euing's Ballad Collection, the Douglas Papers, and a Shakespeare First Folio. There are also extensive holdings in later materials including prints by William Blake, the 19th-century novels archive, the Hepburn and Stone Collections and the MacColl Papers.



## English Literature: Fantasy

MLitt: 12 months full-time; 24 months part-time

Are you a fan of fantasy fiction? Or are you simply curious as to why the fantastic can be found all around us in the 21st century? This programme allows you to engage with one of the most vibrant literary genres of the last two centuries and a major cultural phenomenon of our time.

[critstudies-pgenquiries@glasgow.ac.uk](mailto:critstudies-pgenquiries@glasgow.ac.uk)

### Programme structure

You will take the compulsory courses Fantasy 1 and 2 and a research training course, plus three optional courses. You will also undertake supervised study of a specialised topic of your choice, researching and writing a 15,000-word dissertation.

You will have the opportunity to meet and learn from visiting scholars, writers and publishers from the UK, Europe and the USA.

#### In semester 1 you will study:

- Fantasy 1
- Research training course
- One optional course.

#### In semester 2 you will study:

- Fantasy 2
- Two optional courses.

### Optional courses

You may choose from the available optional courses offered by the College of Arts (subject to approval by the convener). Possible options include:

- Children's literature and literacies: critical enquiry
- Creative writing fiction workshop (crossdisciplinary)
- Decadence and the modern
- Fantasy across media
- Finn in Gaelic literature
- Science fiction.

### Career prospects

The critical and analytic skills you develop and the ability to conduct rigorous independent study make this programme an ideal step towards an academic career.

Graduates from English Literature have also gone on to careers in writing, editing, publishing, teaching and the media.

### Why choose Glasgow?

- You will be supported by a friendly, internationally acclaimed team of scholars working in all areas of the arts, from literature and comics to film, TV, history of art and modern languages.
- You can find out more about our community by visiting our blog [fantasy.glasgow.ac.uk](http://fantasy.glasgow.ac.uk) or @UofGFantasy on Twitter.

## English Literature: Medieval & Early Modern Literature & Culture

MLitt: 12 months full-time; 24 months part-time

This taught Masters is a flexible, interdisciplinary programme taught by Glasgow's internationally renowned team of experts. It offers you the practical, historical and theoretical skills needed for advanced study in this area.

[critstudies-pgenquiries@glasgow.ac.uk](mailto:critstudies-pgenquiries@glasgow.ac.uk)

### Programme structure

You will take two core courses, a research training course, plus three optional courses. You will also undertake supervised study of a specialised topic of your choice, researching and writing a 15,000-word dissertation.

You will be taught by a team who have an international reputation for delivering outstanding research-led teaching, with a particular focus on interdisciplinary and theoretically informed approaches to this literary period.

#### In semester 1 you will study:

- Medieval and Early Modern 1: from Medieval to Early Modern
- Research training course
- One optional course.

#### In semester 2 you will study:

- Medieval and Early Modern 2: historical and critical approaches
- Two optional courses.

### Optional courses

You can choose specialist topic courses including Gender and religion in medieval literature; Early Modern mythmaking; Drama and performance 1200–1576; Seventeenth-century women's writing; and Humour and opposition in Early Modern England. With the convener's permission, you may select from any MLitt course offered in the College of Arts.

### Career prospects

The programme provides an excellent preparation for PhD studies and an academic career. It also provides excellent training for museum, school and other related educational and vocational careers.

Positions held by recent graduates include editor and postdoctoral researcher.

### Why choose Glasgow?

- You have a wide choice of languages to study which may include Medieval Latin, Old English, Old Icelandic, Medieval Welsh, Old Irish and Old French as well as a range of modern languages.
- You will be part of MEMNET (the Medieval and Early Modern Network) at Glasgow and have the opportunity to hear distinguished guest speakers and to participate in events and conferences.

## English Literature: Modernities – Literature, Culture, Theory

MLitt: 12 months full-time; 24 months part-time

This programme investigates the key texts and concepts that shape our understanding of literature and culture from 1880 to the present. The texts you will study are related to developments in critical theory and other cultural practices such as film, theatre and the visual arts.

[critstudies-pgenquiries@glasgow.ac.uk](mailto:critstudies-pgenquiries@glasgow.ac.uk)

### Programme structure

You will take the courses Modernities 1 and 2 and a research training course, plus three optional courses. You will also undertake supervised study of a specialised topic of your choice, researching and writing a 15,000-word dissertation.

You will be taught by a team who have an international reputation for delivering outstanding research-led teaching, with a particular focus on interdisciplinary and theoretically informed approaches to this literary period.

#### In semester 1 you will study:

- Modernities 1
- Research training course
- One optional course.

#### In semester 2 you will study:

- Modernities 2
- Two optional courses.

Part-time students take Modernities 1 and 2, the research training course and one optional course in the first year, and two optional courses and the dissertation in their second year of study.

### Optional courses

You can choose specialist topic courses from the range of subjects offered by English Literature or, with the convener's permission, you may select from any course offered in the College of Arts.

### Career prospects

The critical and analytic skills you develop and the ability to conduct rigorous independent study make this programme an ideal step towards an academic career.

Other graduates have gone into careers in writing, editing, teaching and the media.

Positions held by recent graduates include executive editor, freelance copywriter, manager, english instructor and lecturer.

### Why choose Glasgow?

- You will have access to world-class libraries and museums, as well as the extraordinary diversity of cultural, literary and artistic events that make Glasgow such an enriching place for postgraduate study.
- The programme includes tailored workshops with the University's Archives.

## English Literature: Romantic Worlds

MLitt: 12 months full-time; 24 months part-time

The Romantic Worlds Masters focuses on the art and culture of the late 18th and early 19th centuries: a period of radical change and rancorous turmoil during which writers and artists forged works and ideals that continue to exert profound influences over the ways in which we think about our environments, selves and societies.

[critstudies-pgenquiries@glasgow.ac.uk](mailto:critstudies-pgenquiries@glasgow.ac.uk)

### Programme structure

While this Masters provides ample opportunities to engage with the works of canonical Romantic poets and with the great novels written during the period, its approach is interdisciplinary. As well as providing groundings in advanced literary studies and in the traditional cornerstones of British Romanticism, the programme's courses range across fields including art history, ecocriticism, sociology and urban studies, studying caricature, travel writing, drama, topography, periodicals, portraiture and music alongside novels and poetry.

### Core courses

- Romantic worlds 1: encountering environments
- Research training course
- Romantic worlds 2: selves and societies
- 15,000-word research dissertation.

### Optional courses

You will also study one optional course in semester 1 and two optional courses in semester 2.

### Career prospects

The collections-related elements of the Romantic Worlds Masters provide experiences of working with heritage materials that are directly applicable to careers in museums, galleries and libraries.

The programme helps students to develop important transferable skills, including: articulating arguments, locating and organising information, responsibly managing time, and clearly and effectively communicating.

The Romantic Worlds Masters also provides an excellent grounding for doctoral-level study.

### Why choose Glasgow?

Based in a long-standing centre of research excellence for Romantic Studies, the Romantic Worlds MLitt provides the chance to work closely with leading experts in the field, specialising in a wide range of different aspects, forms and techniques.

## English Literature: Victorian Literature

**MLitt:** 12 months full-time; 24 months part-time

This programme welcomes you to a lively intellectual and cultural scene. You will study with a group of world-class Victorianists whose expertise ranges across many aspects of literature and culture, and you'll be able to draw on the extraordinary resources of Glasgow's museums and libraries.

**e critstudies-pgenquiries@glasgow.ac.uk**

### Programme structure

You will study three core courses and three optional courses and write a 15,000-word dissertation.

#### Semester 1: September–December

- Victorian 1: Writing the times
- Research training course
- Optional course.

#### Semester 2: January–March

- Victorian 2: Writers, readers, publishers
- Optional course.

#### Summer: April–September

- Dissertation.

Teaching will be by a combination of seminars for the core and optional courses and supervisions for the dissertation. There may be workshops on humanities computing in the Software for Teaching English Language & Literature and its Assessment (STELLA) Laboratories. The teaching sessions will be designed throughout to maximise student involvement, and there will be a range of opportunities for informal contact among staff and students outside teaching hours.

In conjunction with the core courses we also offer an exciting series of workshops tailored to research on Victorian topics, including tours of our Special Collections, workshops on electronic resources, and field trips to sites of special interest such as the Murray Collection in the National Library of Scotland, Robert Owen's New Lanark, and the Royal College of Physicians and Surgeons.

You will have the opportunity to meet and learn from visiting scholars from the UK, Europe and the United States.

### Career prospects

You will develop skills sought by employers, including the ability to find, select and manage large quantities of information; confident and persuasive oral and written communication; and problem solving through creative and critical thinking. The programme also provides an excellent platform for PhD studies.

### Why choose Glasgow?

Our library has outstanding holdings in Victorian primary and critical sources, and Glasgow has a wonderful Victorian heritage: this makes the city a fantastic place to be studying the period's literature and culture.

## Scottish Literature

**MPhil:** 12 months full-time; 24 months part-time

The University of Glasgow hosts the only academic unit in the UK exclusively dedicated to the teaching and research of Scottish Literature.

**e critstudies-pgapplications@glasgow.ac.uk**

The MPhil in Scottish Literature allows you to undertake an independent piece of research in one year, providing you with a grounding for further doctoral study.

Working with a supervisor, you will produce a 30,000–40,000-word thesis that is a distinct contribution to research in Scottish Literature.

Scottish literature fulfils a unique role at the University of Glasgow, where it has been a fully fledged independent subject since the early 1970s. As a relatively “new” subject in the academic context there is a great deal of research work still to be undertaken in Scottish literary studies. Glasgow is supremely well placed to support exciting postgraduate and postdoctoral research.

Topics in which we would welcome postgraduate research include:

- Scottish literature of the Renaissance
- 18th-century literary tradition
- Robert Burns studies
- Scottish Romanticism
- 20th-century Scottish modernism
- Contemporary Scottish literature.

### Why choose Glasgow?

- Scottish literature at Glasgow is well connected to a number of key archives of Scottish material held by our own Special Collections, the Mitchell Library and the Scottish Women's Library. Moreover we have strong connections with Edinburgh's National Library of Scotland and the Scottish Poetry Library, both of which house a wealth of materials relating to Scottish writers and literature of all periods.
- The University is home to the Centre for Robert Burns Studies and Centre for Scottish & Celtic Studies.

## Speech, Language & Sociolinguistics

**MSc:** 12 months full-time; 24 months part-time

This Masters in Speech, Language & Sociolinguistics will enable you to explore the links between producing and processing speech and language as part of everyday social interaction. The range of courses available for this programme provide the key linguistic, technical and research skills to investigate different aspects of spoken and written language, to carry out your own sociolinguistic studies, and to design and implement speech and language experiments of your own.

**e critstudies-pgapplications@glasgow.ac.uk**

### Programme structure

#### Core courses

- English language and linguistics research training
- Experimental design and data analysis
- Independent, small-scale research project.

#### Optional courses

You will study two optional courses in both semesters 1 and 2.

- Corpus linguistics
- Methods in phonetics
- Methods in sociolinguistics
- Onomastics
- Phonetics
- Phonetics advanced
- Psycholinguistics
- Semantics and pragmatics
- Semantics: advanced concepts
- Sociolinguistics
- Topics in phonetics
- Topics in sociolinguistics
- Written text analysis.

### Career prospects

Some students take our programme as a secondment from an ongoing teaching or professional education position held either here or elsewhere in the world. Others continue into employment in language teaching, journalism, or other kinds of industrial or commercial research related to speech, language and sociolinguistics. The programme is also an excellent foundation to doctoral research either at Glasgow or elsewhere, and/or further training in speech and language therapy.

### Why choose Glasgow?

- You'll be taught by expert academic staff who have directed and are currently directing research projects in speech, language and sociolinguistics (eg Seeing Speech, Sounds of the City, One Speaker Two Dialects, the Scots Syntax Atlas (SCOSYA), Scottish Corpus of Texts and Speech (SCOTS)).
- Our facilities include the Glasgow University Laboratory of Phonetics (GULP), which includes a speech recording studio.

## Research opportunities

We offer the following research study options:

**PhD, MLitt, MPhil and MRes.**

Our research expertise covers the following areas:

- English language and linguistics
- Historical English language, literature and medieval studies – including manuscript studies, codicology, textual and editing, literary and gender criticism, historical linguistics
- Scottish language, including written literary Scots, speech in Scotland and translation studies
- Modern English language and linguistics, including onomastics, semantics, phonetics, text analysis, sociolinguistics, psycholinguistics and intercultural language education
- Medieval studies (from the beginning to 1500)
- Renaissance studies (1500–1700)
- 18th-century Romantic and Victorian studies (1700–1900)
- Modernism, contemporary literature and critical theory (1900 onwards)
- Scottish literature of the Renaissance
- 18th-century literary tradition
- Robert Burns studies
- Scottish Romanticism
- 20th-century Scottish modernism
- Contemporary Scottish literature.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/schools/critical/research](http://glasgow.ac.uk/schools/critical/research)



## ENVIRONMENT, SUSTAINABILITY & TOURISM

Teaching and research is based within our School of Interdisciplinary Studies at our stunning Dumfries campus set in 85 acres of leafy parkland.

We offer a range of postgraduate taught and research opportunities which can be studied on either a full- or part-time basis across our disciplines.

As well as offering stunning scenery and recreation, our local landscape and heritage are an important real-life laboratory for teaching and research. Forestry, renewable energy, sustainable agriculture, wildlife conservation, tourism and community projects are all important to the local landscape, culture and economy.

If you are considering environment or tourism programmes, you'll be pleased to hear we make the most of our spectacular rural location. Our minibus is available to take groups to some of our many fieldwork bases, study locations and partner organisations.

Our dedicated postgraduate hub in Maxwell House provides office, social and study space for all postgraduate students.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

[glasgow.ac.uk/schools/interdisciplinary/postgraduatecourses](https://glasgow.ac.uk/schools/interdisciplinary/postgraduatecourses)

### DUMFRIES CAMPUS

#### Environment, Culture & Communication

MLitt: 12 months full-time; 24 months part-time

This programme explores the relationships we hold with our "wild" environments, and how these evolved. You will develop a knowledge of environmental debates from both cultural and scientific perspectives, and learn to communicate environmental issues using a variety of tools and strategies.

[david.borthwick@glasgow.ac.uk](mailto:david.borthwick@glasgow.ac.uk)

##### Programme structure

You will take four core and two optional courses. There is a choice of project work: you can choose to engage with a particular contemporary environmental issue or case study, OR to undertake a personal interaction with the features of a particular location, examining notions of place creatively. You will also undertake a dissertation, through which you can develop and demonstrate independent research skills, or a work placement where you will undertake research in a relevant organisation or company.

##### Core courses

- Environmental communication\*
- Environmental politics and society\*
- Reading the environment: old and new world romanticisms
- Writing the environment: modern and contemporary nature writing.

\*You must take at least one of these courses.

##### Optional courses may include:

- Climate change: impacts on ecology
- Environment, technology and society
- Environmental ethics and behavioural change
- Tourism, sustainability and climate change.

##### Career prospects

Graduates are prepared to enter fields from environmental journalism and education, to public relations, advertising and consultancy roles. The interdisciplinary nature of the programme means your skills are also tailored towards emerging fields such as negotiating between scientific fact and cultural understanding of climate change, and the "anticipatory history" that must inform landscape management in the future. Graduates have gone on to work for environmental NGOs and ecological arts organisations, and undertaken further study at PhD level.

##### Why choose Dumfries?

- This programme focuses on the emerging subject area related to ecocriticism and green studies in order to better understand environmental issues from multiple perspectives.
- Teaching is closely linked with the Solway Centre for Environment & Culture, a research centre providing opportunity for further research and collaboration.

### DUMFRIES CAMPUS

#### Environmental Change & Society

MSc: 12 months full-time; 24 months part-time

This programme highlights the social, political and cultural implications of environmental science and technology. You will learn to assess scientific and technological innovations as potential solutions to environmental issues. It trains professionals, decision-makers and students in the social implications of environmental issues, particularly in relation to technologies as potential solutions. It focuses on responsible innovation.

[sean.johnston@glasgow.ac.uk](mailto:sean.johnston@glasgow.ac.uk)

##### Programme structure

You will take four core and two optional courses, and complete a dissertation. Teaching is through a combination of methods including lectures, seminars, case studies and a programme of guest speakers.

##### Core courses

- Environment, technology and society
- Environmental communication
- Environmental ethics and behavioural change
- Environmental politics and society.

##### Optional courses may include:

- Advanced research methods
- Climate change: impacts on ecology
- Critical perspectives on knowledge and power
- Reading the environment: modern and contemporary nature writing
- Tourism, sustainability and climate change
- Writing the environment: old and new world romanticisms.

##### Career prospects

As a graduate you will be able to pursue careers in technology assessment, environmental management and policymaking and analysis with government agencies, environmental consultancies and private companies. The degree also aims to empower active citizens by providing the skills and understandings to underpin successful environmental campaigns. The degree is also an excellent first step towards a PhD in topics related to the wider implications of our environmental and societal choices.

##### Why choose Dumfries?

- This programme addresses the wider social and political dimensions behind our scientific and technological choices concerning the environment, using a global approach.
- We provide interdisciplinary teaching, combining solutions from science and engineering with the sensitivities of sociology, history, ethics and politics.

### DUMFRIES CAMPUS

#### Environment & Society: Transformation & Sustainability

IntM: 24 months full-time

This two-year innovative degree provides an interdisciplinary study of environmental issues at several European universities. Mobility periods will allow you to study environmental challenges and solutions from different disciplinary perspectives at partner institutions across Europe. The degree has been jointly developed by a consortium of universities comprising the University of Glasgow (Dumfries, Scotland), Radboud University (Nijmegen, Netherlands), University of Bologna (Rimini, Italy) and Kaunas University of Technology (Lithuania).

[stuart.hanscomb@glasgow.ac.uk](mailto:stuart.hanscomb@glasgow.ac.uk)

##### Programme structure

The programme is structured around a series of mobility periods across two years where you study at three partner universities for one semester each, taking a mix of core and optional courses with a study track choice in semester 3.

##### Semester 1:

- September–December: University of Glasgow (Dumfries Campus): Environment philosophy.

##### Semester 2:

- January–June: Kaunas University of Technology: Environmental engineering.

##### Semester 3:

- September–January: Study track choice, choose between Radboud University, Nijmegen: Environmental and societal studies or University of Bologna (Rimini Campus): Environmental economics.

##### Semester 4:

- February–August: University of Glasgow (Dumfries Campus), Kaunas University of Technology, Radboud University or University of Bologna (Rimini Campus) depending on research topic.

##### Career prospects

Graduates will have the conceptual, methodological and technical knowledge and skills to find employment in environmental management and policy, environmental consultancy, and design and analysis. You will also be equipped to pursue further study through doctoral research.

##### Why choose Dumfries?

- This programme draws on the strengths of the partners to offer a multiple degree that combines environmental philosophy, environmental engineering and environmental social sciences. It will provide you with a profound understanding of the processes society is going through as it moves towards environmental change.
- These two core topics are complemented by a study track choice of either environment and social studies or environmental economics in the third semester.

## DUMFRIES CAMPUS

### Tourism Development & Culture

**MSc:** 24 months part-time

This new two-year joint degree focuses on contemporary theoretical and practical issues in tourism development, with a cultural focus, providing critical analytical skills. Mobility periods will give you the opportunity to study at the University of Glasgow and its world-class consortium partners.

 [donald.macleod@glasgow.ac.uk](mailto:donald.macleod@glasgow.ac.uk)

#### Programme structure

The programme is structured around a series of mobility periods across two years where you will study at each of the three partner universities for one semester, taking a mix of core and optional courses. Teaching is delivered via a mix of lectures and seminars, with occasional guest lectures and opportunities for work placements. The final mobility period can be spent with either partner, depending on your chosen topic of dissertation, under the supervision of a team from at least two universities. The programme also includes an optional two-week summer school at Wageningen University (Netherlands).

#### Semester 1:

- September–December (Glasgow): Social science analysis of tourism.

#### Semester 2:

- February–June (Malta): Cultural tourism and heritage (Optional placement available).

#### Summer (optional):

- July (Wageningen).

#### Semester 3:

- September–January (Lund): Innovation and sustainability in the tourism industry.

#### Semester 4:

- February–July (Glasgow, Malta or Lund): dissertation.

#### Career prospects

As a graduate, you will be well equipped to find work in the tourism, cultural and heritage industry, both in the public and private sector. Potential employers include national and local government, agencies such as tourism departments, museums and heritage attractions, the travel and hotel industries, business consultancies and media organisations. There will also be opportunities for teaching at schools, colleges and universities for qualified teachers, as well as research.

#### Why choose Dumfries?

- The programme provides an excellent opportunity for those new to tourism to engage and attain a broad grasp of the subject as well as a deep and analytical insight into aspects of tourism development, culture and related industries.
- This is an exciting and innovative new programme offered by the University of Glasgow, Lund University (Sweden) and the University of Malta. You will graduate with a joint degree awarded by each partner.

## DUMFRIES CAMPUS

### Tourism, Heritage & Development

**MSc:** 12 months full-time; 24 months part-time

This programme builds your understanding of the tourism, heritage and development sectors. Drawing upon a multidisciplinary team, it uses academic approaches from the social sciences and the arts to investigate key themes. These include motivation, impacts, sustainable development, cultural and natural heritage, interpretation and management within this field.

 [donald.macleod@glasgow.ac.uk](mailto:donald.macleod@glasgow.ac.uk)

#### Programme structure

You will complete three core and three optional courses, followed by a dissertation (which may include a work placement). You will be taught through a combination of lectures, seminars, tutorials, fieldwork and project work. Some of the courses will also include study trips.

#### Core courses

- Heritage, interpretation and development
- Heritage, management and context
- Tourism and regional development.

#### Optional courses may include:

- Climate change: impacts on ecology
- Environment, technology and society
- Environmental communication
- Environmental ethics and behavioural change
- Environmental politics and society
- Reading the environment: old and new world romanticisms
- Tourism marketing
- Tourism, sustainability and climate change
- Writing the environment: modern and contemporary nature writing.

#### Career prospects

There are a number of interesting roles within tourism and heritage bodies in the public and private sectors such as working for tour companies, heritage attractions, museums, and hotel groups. You could also work as a consultant in business, as part of a local government team and on planning bodies. In addition there are jobs available in education, particularly at college and university level. Your degree may enable you to consider studying for a research degree to consolidate your expertise.

#### Why choose Dumfries?

- This programme will give you the opportunity to develop a vast repertoire of knowledge and expertise in the subject area through interdisciplinary and critical approaches to study.
- It provides a worldwide perspective on tourism, as well as showcasing the variety and significance of this global industry. The programme covers a wide range of international case studies. We use examples from Europe, the Americas and Asia, as well as Scotland and the UK.

## DUMFRIES CAMPUS

### Tourism, Heritage & Sustainability

**MSc:** 12 months full-time; 24 months part-time

This programme is designed to build your understanding of the tourism, heritage and sustainability sectors. Drawing upon a multidisciplinary team, it uses academic approaches from the social sciences and the arts to investigate key themes. These include motivation, impacts, sustainable development, cultural and natural heritage, interpretation and management within this field.

 [donald.macleod@glasgow.ac.uk](mailto:donald.macleod@glasgow.ac.uk)

#### Programme structure

You will complete four core and two optional courses, followed by a dissertation (which may include a work placement). You will be taught through a combination of lectures, seminars, tutorials, fieldwork and project work. Some of the courses will also include study trips.

#### Core courses

- Heritage, interpretation and development
- Heritage, management and context
- Tourism and regional development
- Tourism, sustainability and climate change.

#### Optional courses may include:

- Climate change: impacts on ecology
- Environment, technology and society
- Environmental communication
- Environmental ethics and behavioural change
- Environmental politics and society
- Event management
- Reading the environment: old and new world romanticisms
- Tourism marketing
- Writing the environment: modern and contemporary nature writing.

#### Career prospects

There are a number of interesting roles within tourism and heritage bodies in the public and private sectors such as working for tour companies, heritage attractions, museums, and hotel groups. You could also work as a consultant in business, as part of a local government team and on planning bodies. In addition, there are jobs available in education, particularly at college and university level. Your degree may enable you to consider studying for a research degree.

#### Why choose Dumfries?

- This programme gives you the opportunity to develop a vast repertoire of knowledge and expertise in the subject area through interdisciplinary and critical approaches to study.
- It provides a worldwide perspective on tourism, as well as showcasing the variety and significance of this global industry. The programme covers a wide range of international case studies. We use examples from Europe, the Americas and Asia, as well as Scotland and the UK.

## Research opportunities

We offer the following research study options:

**PhD, MSc (Res).**

Here are just some of the research topics available:

- carbon management, renewable energy and climate change
- environmental sustainability and land management
- tourism and heritage
- hospice, palliative and end-of-life care
- public health, wellbeing and ageing
- social policy and the third sector
- community studies
- ecocriticism
- history and philosophy of science and technology
- political philosophy
- science and technology studies
- Scottish history and Scottish studies
- science education
- tourism marketing
- modern Scottish literature
- folk belief and popular culture.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

**For more information, visit:**

[glasgow.ac.uk/schools/interdisciplinary/postgraduateresearch](http://glasgow.ac.uk/schools/interdisciplinary/postgraduateresearch)




# FILM & TELEVISION STUDIES

Glasgow is an excellent location in the UK to study film and television. Scotland's media capital is home to BBC Scotland, STV, and numerous independent production companies.

Our city is famed for its film and creative organisations and has two independent cinemas and a large annual film festival.

Our University is home to the international journal *Screen* and hosts the journal's annual conference, attracting leading international scholars in film and television studies. You will have the opportunity to participate in the conference and to engage with leading guest speakers from academia and the media industries throughout the year. On-campus facilities include a cinema, audiovisual resource centre, video-editing suite and design room.

Teaching methods combine theoretical, historical and practical approaches. If you study with us, you will be taught in small seminar groups and supported to develop critical and creative skills that prepare you for a wide variety of careers.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Film & Television Studies

**MLitt:** 12 months full-time; 24 months part-time

The MLitt in Film & Television Studies, taught in Scotland's media capital, offers the opportunity for the critical study of film and television. This well-established programme aims to provide an advanced understanding of the approaches and methodologies in Film & Television Studies and to equip you with core research skills for advanced study in this field.

 [CCA-PGcomm@glasgow.ac.uk](mailto:CCA-PGcomm@glasgow.ac.uk)

### Programme structure

This programme will encourage advanced-level study of specific aspects of film and television, via the exploration of research strategies appropriate to the two mediums. The curriculum is designed to establish the full focus of film and television studies as a discipline and to suggest some of the ways in which its boundaries are being redrawn by new screen cultures and technologies.

The programme consists of three components:

#### Component 1:

##### Core course (60 credits)

- Semester 1: History of critical writing (30 credits)
- Semester 2: Research methods and preparation (30 credits).

#### Component 2:

##### Three additional courses (60 credits)

- Advanced topics in film studies (20 credits) – compulsory
- Advanced topics in television studies (20 credits) – compulsory.

The above two courses will run in semester 1 and semester 2 in alternate years

A third option course (20 credits, semester 1 and semester 2)

#### Component 3:

##### Dissertation (60 credits)

You will research and write your dissertation over the summer (May to September). It will be 15,000 words in length and on a topic chosen in consultation with your tutors and the programme convener.

### Career prospects

The programme provides an excellent foundation for an academic career in this field and we provide support and guidance on PhD applications and funding opportunities if you are considering this path.

Graduates go on to a range of careers in the media and creative industries, including film education, festival management and programming, and arts administration, as well as research roles in television, academia and the public sector.

### Why choose Glasgow?

You will be studying in Glasgow, one of the leading media cities in the UK, and be based at our Gilmorehill Centre, with its own cinema as well as an extensive collection of video, DVD and digital resources.

## Film Curation

**MSc:** 12 months full-time;  
24 months part-time



The MSc in Film Curation enables you to explore film exhibition in a variety of theoretical, historical and practical contexts. It investigates the material qualities of audiovisual media and explores the history and contemporary practice of exhibition in cinemas, archives, galleries, festivals and online. You will work alongside industry-leading experts in film curation and archiving through guest lectures and placements.

 [rebecca.harrison@glasgow.ac.uk](mailto:rebecca.harrison@glasgow.ac.uk)

### Programme structure

You will take:

- two core courses
- one work placement or creative practice project
- two optional academic courses
- a dissertation or audiovisual essay.

### Core courses

#### Material of film curation (60 credits)

This course introduces you to the essential research, archival, moving image and publicity materials that you will work with as a film curator. You will begin thinking about the role of film curator and the various contexts in which curating occurs, as well as the role of archives in preserving, cataloguing and documenting screen media. By analysing film and media as "objects", you will also address the importance of copyright and permissions in the acquisition and exhibition of moving images.

#### Practice of film curation (60 credits)

This course focuses on the administrative and creative tasks involved in engaging audiences with the moving image. You will explore various exhibition spaces and modes of presentation, and consider the practical issues facing event organisers, such as programming, finance/funding, marketing and audience feedback. You will gain hands-on experience through workshops, site visits and a project that asks you to plan, budget and create a trailer for your own mini-festival.

### Career prospects

This programme is designed to provide graduates with a range of skills that will allow them to develop as creative and cultural entrepreneurs; outreach officers in museums, archives or galleries; programmers or curators at film festivals; researchers for the film and television industries; creative practitioners; or prepare them for future academic research.

### Why choose Glasgow?

- Facilities include cinema space with 35mm and 16mm projection, and opportunities for performative exhibitions.
- Collaborators who offer work placements and provide visiting speakers include the National Library of Scotland Moving Image Archive, Glasgow Film Theatre, LUX Scotland and the Gallery of Modern Art, as well as film festivals such as Africa in Motion and Glasgow Short Film Festival.

## Filmmaking & Media Arts

**MSc:** 12 months full-time

This programme is designed to provide the necessary practical and critical skills required for current and future screen-based production. It provides an open space for experimentation, while advancing skills and creative practice. It is suitable for experimental filmmakers, media producers, new media artists, and those involved in theory and practice of moving image arts.

 [azadeh.emadi@glasgow.ac.uk](mailto:azadeh.emadi@glasgow.ac.uk)

### Programme structure

Through practical workshops, masterclasses, and history and theory courses, you will have the opportunity to learn from professionals, media artists, and world-leading academics in film and digital media theory.

You will take:

- Two practical courses which provide hands-on support in the production of your video or media art projects. They also incorporate sessions led by professionals that are designed to pass on key skills.
- Experimental art and media which covers the history and theory of experimental art and filmmaking, including the topic of practice-as-research. It is designed to provide a critical foundation for your filmmaking and/or media arts practice.
- One optional course selected from a range of academic options that draw on the research expertise of the subject team.
- A Practice-based dissertation which offers the opportunity to develop a film or media arts self-directed project. You will also write a 3,000-word critical explanation to supplement your media work.

### Career prospects

Focusing on practice as research, the programme facilitates a platform for those interested to continue further into practice-based PhD studies and an academic career. The programme will also equip you with the ability to develop a career as a media producer, with a particular focus on low-budget productions. You will have the opportunity to explore and develop a portfolio of skills enabling you to work as an independent practitioner in today's creative industries. It is an innovative programme that teaches artistic, technical and research skills and is designed to support graduates who are interested in working for media companies or who may wish to pursue their own independent filmmaking and/or media arts practice.

### Why choose Glasgow?

- You will explore and develop your ideas and practice in film and media art while broadening your technical skills within a rich research environment.
- Regular research excursions are part of a creative approach which embraces emerging technologies and supports new ways of delivering ideas and content.

[glasgow.ac.uk/subjects/filmtelevision/postgraduate](http://glasgow.ac.uk/subjects/filmtelevision/postgraduate)

### Research opportunities

We offer the following research study options:

**PhD, MLitt, MPhil and MRes.**

Our research expertise covers the following areas:

- Television and film theories
- Histories and aesthetics
- Feminist theory: gender, genre, sexuality, violence
- Postcolonial theory and transnationalism
- World cinemas
- Amateur cinema
- Television and cinema audiences
- Sound and the moving image
- Film festivals.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/research/opportunities/subjects/filmtv](http://glasgow.ac.uk/research/opportunities/subjects/filmtv)

“Studying Film Curation in Glasgow is such an amazing and unique experience. My work placement allowed me to make a real contribution to a film distribution company’s project. Glasgow has so many different film festivals throughout the year along with countless other arts and cultural events, and Scotland overall is a gorgeous and welcoming place. I could not have picked a country more beautiful, city more vibrant, or programme more engaging.”

Annie  
Film Curation (MSc) student

## GEOGRAPHICAL & EARTH SCIENCES

Geographical & Earth Sciences brings together internationally leading research in physical and human geography, geology and geomatics.

In the 2014 Research Excellence Framework, our Human Geography Research Group was ranked 1st in the UK for world-leading and internationally excellent research, and 1st in the UK for published work. The Earth Systems Research Group was rated 1st in Scotland for both its world-leading publications and research environment.

The University of Glasgow is ranked 1st in Scotland and 4th in the UK for Geography and Environmental Science (Complete University Guide 2019).

- We have been teaching PGT programmes in Geomatics for over 50 years and have graduates in senior positions in the industry in many countries. Our programmes are accredited by both RICS and CICES.
- We host many guest speakers and there are informal opportunities to meet people from industry at open events. Projects may be carried out in conjunction with industry.

### Athena Swan Award

The School has an Athena Swan Silver Award, demonstrating the School’s commitment to supporting women in scientific studies and careers, and to improving the working environment for all.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

[glasgow.ac.uk/subjects/ges/postgraduate](http://glasgow.ac.uk/subjects/ges/postgraduate)

## Geoinformation Technology & Cartography

**MSc:** 12 months full-time; 24–48 months part-time

**PgDip:** 9 months full-time; 21–44 months part-time

**PgCert:** 3.5 months full-time; 9–32 months part-time

This Masters in Geoinformation Technology & Cartography focuses on understanding and managing the locational data required to use Geographic Information Systems (GIS) together with visualisation and map production in a GIS environment.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Geoinformation Technology & Cartography include lectures, seminars and tutorials and allow you the opportunity to take part in labs, project and team work, and attend a GIS conference in the UK.

### Core courses

- Applied GIS (including GISRUK conference)
- Cartographic design and production
- Fundamentals of geomatics
- Geospatial data infrastructure and land administration
- GIS
- Internet and mobile GIS
- Principles of land surveying
- Remote sensing
- Research and professional issues in geomatics
- Topographic mapping.

### Career prospects

Career opportunities exist in both the private and public sectors and there is currently high demand for GIS skills. Positions include cartographer with map publishing company, government agency or private service agency; GIS specialist, ranging from support in large corporations (banking, insurance, retail), environmental consultancies, local authorities, utility companies; mapping specialist with software house and geoinformation data provider.

Graduates of this programme have gone on to work for companies such as Scottish Water, Natural Power, Arcus, HarperCollins Cartographic, BT and British Antarctic Survey. Positions include GIS cartographer, GIS operator and GIS analyst.

### Accreditation

The MSc in Geoinformation Technology & Cartography, if fully completed with the award of an MSc, is accredited by the Royal Institution of Chartered Surveyors (RICS).

### Why choose Glasgow?

- The MSc in Geoinformation Technology & Cartography is the only programme in the UK that focuses on cartography.
- You will benefit from access to our extensive computer laboratories and the latest software, including ArcGIS and QGIS for GIS, graphic design packages and remote sensing processing software.



## Geomatics & Management

**MSc:** 12 months full-time

The Masters in Geomatics & Management is aimed at graduates in geomatics (surveying and mapping). It will enhance your career progression in the field of geomatics, and provide you with the necessary skill set to succeed in managerial positions. The combination of geomatics with management offered by this programme has been strongly endorsed by industry.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

You will attend taught courses and undertake a summer research project aimed at practical application and enhancing your ability to do independent work and present results in the most appropriate form.

### Core courses

- Financial information management
- Management decision-making
- Managing innovative change
- Methods of management enquiry
- People in organisations
- Research and professional issues in geomatics.

### Optional courses may include (five chosen):

- Applied cartography
- Applied GIS (including GISRUK conference)
- Applied hydro survey
- Applied survey (including field course)
- Directed studies in geomatics
- Engineering survey
- Geospatial data infrastructure and land administration
- GNSS and geodesy
- Hydrographic survey
- Internet and mobile GIS
- Remote sensing.

### Career prospects

This programme is primarily intended for those with some experience in the surveying, mapping or GIS industries who want to move on in the industry into management roles, with greater understanding of business practices. Opportunities exist in surveying companies, government agencies and in land management and geographic information management organisations.

Graduates have gone on to work for companies such as Rudan Engineering Ltd, KACST, North Ayrshire Council, Transmission Consultancy and Environmental Sciences Group Pelorus Surveys.

### Why choose Glasgow?

- This programme, if fully completed with the award of an MSc, is accredited by the Royal Institution of Chartered Surveyors (RICS) and by EQUIS.
- You will be taught jointly by staff from the School of Geographical & Earth Sciences and from the Adam Smith Business School, benefiting from their combined resources and expertise, creating an industry-focused curriculum.

## Geospatial & Mapping Sciences

**MSc:** 12 months full-time; 24–48 months part-time

**PgDip:** 9 months full-time; 21–44 months part-time

**PgCert:** 3.5 months full-time; 9–32 months part-time

This Masters in Geospatial & Mapping Sciences focuses on understanding the theory and practice of geospatial data collection, land and hydrographic surveying, data and information quality, applications of survey information, and research and development in the field of geomatics.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Geospatial & Mapping Sciences include lectures, seminars and tutorials and allow you the opportunity to take part in labs, fieldwork, project and team work.

### Core courses

- Applied survey (including field course)
- Engineering survey
- Fundamentals of geomatics
- GIS
- GNSS and geodesy
- Hydrographic survey
- Principles and practice of land surveying
- Research and professional issues
- Topographic mapping.

### Optional courses (one chosen)

- Applied hydro survey
- Geospatial data infrastructure and LIS.

### Career prospects

Career opportunities include land surveyor, engineering surveyor, hydrographic surveyor, GIS specialist and environmental consultant. There is currently a very high demand for surveyors and several of the key employers visit us each year to recruit students. In addition to the offshore energy industry, land surveyors are in demand in many parts of the world to support mining operations and major civil engineering projects, and to provide surveying services for land registration.

Graduates have gone on to work for companies such as Morgan Stanley, Fugro, AECOM, UTEC and Subsea 7. Positions include offshore surveyor, analyst, hydrographic surveyor and graduate supervisor.

### Why choose Glasgow?

- This programme, if fully completed with the award of an MSc, is accredited by the Royal Institution of Chartered Surveyors (RICS) and the Chartered Institution of Civil Engineering Surveyors.
- If you are seeking a career in geomatics, land and engineering surveying, hydrographic surveying, land registration/cadastre and LIS, photogrammetric and remote sensing engineering, or management of geospatial information, this programme is for you.

## Human Geography: Spaces, Politics, Ecologies

**MRes:** 12 months full-time; 24 months part-time

This Masters in Human Geography: Spaces, Politics, Ecologies considers how geography has been used to actively engage with the world beyond the academy, focusing on social justice and social change, environment and development, and cultural and historical geographies.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MRes in Human Geography: Spaces, Politics, Ecologies include lectures, seminars and tutorials and allow you the opportunity to take part in workshops, project and team work.

### Core courses

- Conceptualising human geography 1: spaces, politics, ecologies
- Conceptualising human geography 2: geographical engagements
- Researching human geographies: design, methods, ethics.

You will also take two courses in qualitative and quantitative methods in the social sciences and undertake an independent piece of research on a topic chosen by you.

### Career prospects

Career opportunities include positions in non-governmental organisations (eg Oxfam, Barnardo's, SEPA, Scottish Natural Heritage), teaching, and PhD study.

### Why choose Glasgow?

- The School's Human Geography Research Group has strong working collaborations with the Glasgow Centre for International Development, the Glasgow Refugee, Asylum & Migration Network (GRAMNET), Glasgow Life/Museums, NVA and the Royal Society.
- If you are considering pursuing doctoral research in human geography and the social sciences or seeking to develop a career in research in the public, private or voluntary sector, this programme is designed for you.

## Land & Hydrographic Surveying

**MSc:** 12 months full-time; 24–36 months part-time

**PgDip:** 8 months full-time; 20–32 months part-time

**PgCert:** 4 months full-time; 8–16 months part-time

The Masters in Land & Hydrographic Surveying will introduce you to the surveying discipline and prepare you for employment in the industry. Developed with strong support from industry, it builds on our long experience of delivering programmes in geomatics. The programme is ideal if you seek employment in the geospatial industry to support construction and mapping projects both onshore and offshore.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Land & Hydrographic Surveying include lectures, practical exercises and hands-on experience with state-of-the-art equipment and software. Included is a week-long surveying field course, which consolidates practical skills. The programme includes several direct contributions from industry and opportunities to participate in industry-led events. In addition, the MSc project supports the application of knowledge and skills developed, applied either in an applied surveying task or in researching a specific topic.

### Core courses

- Applied hydrographic survey
- Applied survey (including field course)
- Engineering survey
- Fundamentals of geomatics
- GIS
- GNSS and geodesy
- Hydrographic survey
- MSc project (MSc only)
- Principles and practice of land surveying
- Research and professional issues in geomatics
- Topographic mapping.

The PG Diploma consists of all taught courses, but not the project.

The PG Certificate requires 60 credits of courses, either those offered in semester 1 of the MSc, or selected in consultation with the programme convener.

### Career prospects

Career opportunities include land surveyor, engineering surveyor, hydrographic surveyor, GIS specialist and environmental consultant. There is currently a high demand for surveyors both in the UK and internationally. In addition to the offshore energy industry, land surveyors are in demand in many parts of the world to support mining operations and major civil engineering projects.

### Why choose Glasgow?

- This is one of very few programmes in the UK focusing on surveying and mapping, and unique in Scotland.
- This programme, if fully completed with the award of an MSc, is accredited by the Royal Institution of Chartered Surveyors (RICS).

## Sustainable Water Environments

**MSc:** 12 months full-time; 24 months part-time

The Masters in Sustainable Water Environments will provide you with multidisciplinary knowledge and expertise in river catchment, lake and coastal environments, with a focus on the impact of and adaptation to changing environments. The programme is designed to enable you to develop an in-depth and critical understanding of contemporary global issues in surface water environments, including climate and land use change, flood risk, restoration, ecosystem health, and associated management perspectives.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Sustainable Water Environments include lectures, seminars, tutorials, laboratory practical classes, computing workshops and fieldwork.

You will take part in a residential field class in Scotland to develop skills in the operation and analysis of water environment monitoring methods and technologies.

### Core courses

- Earth futures
- Ecology and restoration of water systems
- Environmental statistics
- Modelling water systems
- Monitoring water systems
- MSc project
- Policy and practice for sustainable water management
- Principles of Geographic Information Systems
- Remote sensing of the environment
- Research and professional issues
- Topographic mapping and landscape monitoring.

### Career prospects

You will be well equipped for a variety of industrial career paths in the environmental sector, including roles that specifically focus on the surface water environment. These roles may be with government agencies (eg Scottish Environmental Protection Agency, Environment Agency) or industry (eg environmental consultancies such as JBA, AECOM, Arup, Royal HaskoningDHV, Jacobs, cbec). You will also be well qualified to pursue a doctoral degree.

Example employment positions from this programme include coastal-, fluvial- or hydro-geomorphologist, coastal, marine, lake, fluvial or freshwater scientist, marine or coastal systems modeller, environmental analyst/officer/consultant and flood risk modeller/policy adviser.

### Why choose Glasgow?

Research in the Earth Systems Research Group and SUERC was ranked 1st in Scotland for world-leading publications and research environment in REF 2014.

## Research opportunities

We offer the following research study options:

**PhD, MSc (Res).**

Our research expertise covers the following areas:

- Earth-life processes
- Earth observation and technology
- Exploring vital geographies
- Extra-terrestrial and mantle processes
- Knowing, creativity and experiment
- Shallow crustal processes
- Stressed environments and communities
- Subaltern globalisations
- Surface processes.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

Our collaboration with the Scottish Universities Environmental Research Centre (SUERC) gives us access to cutting-edge equipment and specialist expertise.

For more information, visit: [glasgow.ac.uk/schools/ges/researchandimpact/postgraduate](http://glasgow.ac.uk/schools/ges/researchandimpact/postgraduate)

## HEALTH & WELLBEING

Our aim is to improve population health and wellbeing and reduce inequalities in health.


The Research Institute of Health and Wellbeing spans the College of Medical, Veterinary & Life Sciences, and the College of Social Sciences.

The institute builds on existing strengths within the University of Glasgow and brings together experts from a range of disciplines across the University to pursue common themes:

- environment and health
- perceptions and experiences of health and wellbeing
- inequalities in health and wellbeing
- new technologies to enhance health and wellbeing
- trials of health service and community-based interventions, and using “natural experiments” to assess the impact on health and wellbeing of social, environmental or policy changes
- capitalising on longitudinal studies and the use of routine NHS or other administrative data.

### Athena Swan Award

In March 2018, the Institute of Health and Wellbeing gained a prestigious Athena Swan Gold Award, recognising our commitment to tackling gender inequality in higher education.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

[glasgow.ac.uk/subjects/healthwellbeing/postgraduate](http://glasgow.ac.uk/subjects/healthwellbeing/postgraduate)

## Global Health

**MSc:** 12 months full-time; 24 months part-time

This programme will develop your critical analysis of key issues within health and medicine, health policy and health planning from a social science perspective.

 [cindy.gray@glasgow.ac.uk](mailto:cindy.gray@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses, as well as complete a dissertation. Teaching will be via lectures, seminars and tutorials. There is also the possibility to take part in project and team work in the UK.

### Core courses may include:

- Health and culture
- Health in its social context
- Methods of social research.

### Optional courses may include:

- Advanced qualitative methods
- Cultural, social and biological determinants of mental health
- Developing and evaluating complex interventions
- Equality and human rights
- Globalisation and public health
- History of medicine from 1850–2000
- Health economics
- Health technology assessment: policy and principles
- Improving access to mental healthcare in the global context
- Mental health and disability: international law and policy
- Mental health promotion across the life-span
- Populations to individuals: statistics, epidemiology and critical appraisal
- Primary care mental health
- Psychosocial approaches to public health
- Qualitative methods
- Social science statistics 1
- Social science statistics 2
- Studies in the history of medicine before 1850
- The disabling society
- Understanding public health.

### Career prospects

Career opportunities include positions as healthcare professionals and healthcare policy advisers, in public healthcare systems and the voluntary and third sector.

### Why choose Glasgow?

- You will be able to locate health and its determinants, and discuss the role of equality and inequality, category and location and their influence on health.
- You will examine health issues that arise for particular groups and across national boundaries, as well as specific sectors and organisations such as health and social care, education, local government and employment.



## Global Mental Health

**MSc:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time; 18 months part-time  
**PgCert:** 9 months full-time; 18 months part-time

The Global Mental Health programmes are designed to produce graduates who can take charge of mental health service provision at a global level. The MSc in Global Mental Health is unique to Scotland.

✉ [mvls-gms@glasgow.ac.uk](mailto:mvls-gms@glasgow.ac.uk)

### Programme structure

The core teaching is based around lectures. There is a strong emphasis on discussion and debate with your academic staff and fellow students, focusing on relevant research literature and policy documents. The Global Mental Health MSc benefits from international experts who contribute to the course via a blended learning approach. Peer support learning is promoted in this programme.

### Core courses

- Introduction to mental health and disability
- The global burden of mental health difficulties
- Cultural, social and biological determinants of mental health
- Research methods (qualitative, quantitative and health economics)
- Mental health promotion across the life-span
- Improving access to mental health care in the global context (online)
- Mental health and disability: international law and policy
- Dissertation.

### Career prospects

Graduates of the MSc Global Mental Health programme establish careers in national mental health policy and planning, epidemiological and mental health services research, as well as advisory and advocacy roles in governments, international agencies and non-governmental organisations.

### Why choose Glasgow?

- You will develop the capacity to critically evaluate factors linked to inequality and inequity in accessing treatments for mental health difficulties.
- You will gain the skills to develop and implement policies aimed at reducing the burden of mental health difficulties worldwide.

## Global Mental Health (online)

**MSc Online Distance Learning:**  
 24/36 months part-time

**PgDip Online Distance Learning:**  
 36 months part-time

**PgCert Online Distance Learning:**  
 12 months part-time

The Global Mental Health academic programmes are designed to produce graduates who can take charge of mental health service provision at a global level. These programmes are unique to Scotland. These online programmes are intended for people who are unable to come to Glasgow to complete on-campus delivery of the programmes.

✉ [mvls-gmsodl@glasgow.ac.uk](mailto:mvls-gmsodl@glasgow.ac.uk)

### Programme structure

The core teaching is based around lectures. There is a strong emphasis on discussion and debate with your fellow students, focusing on relevant research literature and policy documents.

### Year 1

#### (exit with PgCert Global Mental Health)

- Introduction to mental health and disability
- The global burden of mental health difficulties
- Cultural, social and biological determinants of mental health
- Improving access to mental healthcare in the global context.

### Year 2

#### (exit with PgDip Global Mental Health)

- Research methods (qualitative, quantitative and health economics)
- Mental health promotion across the life-span
- Mental health and disability: international law and policy.

### Year 3

#### (exit with MSc Global Mental Health)

- Dissertation.

Please note: the order of the courses above will vary depending on your start date.

### Career prospects

Graduates of the Global Mental Health academic programmes establish careers in national mental health policy and planning, epidemiological and mental health services research, as well as advisory and advocacy roles in governments, international agencies and non-governmental organisations.

### Why choose Glasgow?

- You will develop the capacity to critically evaluate factors linked to inequality and inequity in accessing treatments for mental health difficulties.
- You will gain the skills to develop and implement policies aimed at reducing the burden of mental health difficulties worldwide.

## Health Technology Assessment (online)

**MSc Online Distance Learning:**  
 12 months full-time; 24/36 months part-time

**PgDip Online Distance Learning:**  
 12 months full-time; 24/36 months part-time

**PgCert Online Distance Learning:**  
 12 months full-time; 24/36 months part-time

Health Technology Assessment (HTA) is the assessment of relevant evidence and knowledge on the effects and consequences of healthcare technologies. It contributes to priorities and decisions in relation to prevention, diagnosis, treatment and rehabilitation. This Masters in HTA focuses on the production, critical appraisal and use of scientifically rigorous research evidence, applied to a range of health-related areas.

✉ [hta@glasgow.ac.uk](mailto:hta@glasgow.ac.uk)

### Programme structure

#### Core courses

- HTA: policy and principles
- Statistical methods for HTA and evidence-based medicine
- Health economics for HTA.

#### Optional courses may include:

- Foundations of decision analytic modelling
- Outcome measurement and valuation for HTA
- Analysis of linked health data
- HTA in a global context
- Survival analysis for HTA
- Qualitative research methods for HTA.

#### Optional courses

##### (delivered face-to-face in Glasgow)

- Decision analytic modelling methods for economic evaluation
- Evidence synthesis.

### Career prospects

HTA has growing importance internationally for informing healthcare decision-making and there is increasing demand for employees with HTA-relevant skills. Outside of the field of HTA, you would be well equipped with qualitative and quantitative research skills for jobs in academia, the pharmaceutical industry, and government information services/statistical agencies.

### Why choose Glasgow?

- Our postgraduate taught courses provide a solid grounding in all the major disciplines within the field of Health Technology Assessment. This is unique within Scotland, and is one of few such programmes worldwide.
- Our academics are world-class experts in their fields, who are not only active in research and teaching, but also involved in HTA decision-making at a national level (eg through NICE, SHTAG).

## Population Health Sciences (online)

**MSc Online Distance Learning:**  
 12 months full-time; 24/36 months part time

**PgDip Online Distance Learning:**  
 12 months full-time; 24/36 months part time

**PgCert Online Distance Learning:**  
 12 months full-time; 24/36 months part time

Population health science is an emerging area of health research that is focused on the multiple determinants of health outcomes and their impact on a population. Its role is to measure, quantify and describe the health status and health inequalities of populations through understanding the interactions of the physical and social environment, individual behaviour, resource allocation, investment and genetics over the life course and through time. The aim of this Population Health Sciences programme is to provide you with the knowledge and skills relating to population health as an emerging and active area of research.

✉ [mvls-pophealthsci@glasgow.ac.uk](mailto:mvls-pophealthsci@glasgow.ac.uk)

### Programme structure

#### Core courses

- Principles of population health
- Introduction to statistics
- Introduction to epidemiology
- Advanced statistics.

#### Optional courses

- Qualitative research methods
- Communicable diseases
- Health promotion: principles and practice
- Cultural, social and biological determinants of mental health
- Health economics
- Analysis of linked data
- Globalisation and public health
- Project (online).

### Career prospects

Population Health Sciences is an important and emerging field that combines a number of disciplines in order to better understand and measure health outcomes and their distribution in a population. The MSc in Population Health Studies will give graduates the key skills they need to enable them to succeed in a career in public health, health services, health policy and academia. Potential employers include the higher education sector and local and national government, as well as health service providers and international health organisations such as the World Health Organization.

### Why choose Glasgow?

- This is the only online Population Health Sciences programme in the UK.
- Staff at the Institute of Health and Wellbeing are world leaders in their field and have a global reputation for producing high-quality, crossdisciplinary, health policy relevant research that makes a difference at the individual, community, national and population level.

## Primary Care (online)

### MSc Online Distance Learning:

24–60 months part-time or 12 months full-time

### PgDip Online Distance Learning:

24–36 months part-time or 12 months full-time

### PgCert Online Distance Learning:

24 months part-time or 12 months full-time

Healthcare across the world faces major challenges from the increasing demands of ageing populations and the rise in non-communicable diseases. Strong and effective primary care (also known as family medicine or community medicine) is a major part of the solution. This MSc in Primary Care will equip you with the knowledge and skills required to make a difference to primary healthcare in the 21st century.

[primarycare@glasgow.ac.uk](mailto:primarycare@glasgow.ac.uk)

### Programme structure

This online MSc programme is modular in structure, with all teaching and interactions delivered online through our virtual learning environment (Moodle). During each course from week to week you will interact with your teachers and fellow students using online discussion boards. Your teachers will direct and observe the discussion, and respond to student questions about the course content. A variety of teaching approaches will be used including lectures, group-based activities, presentations and discussions.

#### Core courses

- International primary care principles and systems
- Epidemiology, evidence and statistics for primary care
- Research methods.

#### Optional courses may include:

- Understanding evidence for the real world: Critical appraisal for healthcare
- Cardiovascular disease management in primary care
- Management of long-term conditions
- Options from another health and wellbeing programme.

You will also complete a research project.

#### Career prospects

Graduates will have the capacity to take a lead role in primary care and family medicine development, whether in Scotland, the UK or internationally. Post-award opportunities include further study, leadership roles in primary care teams, secondment to positions within government, teaching positions, and sitting on editorial boards of academic journals.

#### Why choose Glasgow?

- This is a unique programme to enable you to identify and implement strategies to enhance quality in primary care globally.
- Taught by outstanding, high-profile primary care researchers and practitioners in the UK, you can follow a flexible curriculum – studying full-time or part-time – and work towards the full MSc degree or a postgraduate diploma or certificate.

## Public Health

MPH: 12 months full-time; 24, 36 or 48 months part-time

PgDip: 9 months full-time; 21 or 33 months part-time

PgCert: 8 months full-time; 10 months part-time

Public health aims to promote health, prevent disease, reduce inequalities in health, and prolong life. The population perspective of public health ensures that its practitioners are well placed to improve health wherever they are. Our Master of Public Health degree reflects the multidisciplinary nature of public health through its flexible and innovative curriculum.

[mvls-publichealth@glasgow.ac.uk](mailto:mvls-publichealth@glasgow.ac.uk)

### Programme structure

The Master of Public Health (MPH) degree may be obtained with or without specialism; several specialisms are available through course and dissertation topic selection. These are MPH Health Promotion Specialism, MPH Data Science Specialism, MPH Health Economics Specialism, and MPH Epidemiology Specialism. All students will complete 180 credits for the successful award of the MPH degree.

#### Core courses

- Principles of public health
- Introduction to statistical methods
- Introduction to epidemiology.

#### Optional courses (three courses chosen)

- Communicable diseases
- Environmental health
- Further epidemiology and statistics
- Globalisation and public health
- Health economics
- Health promotion: principles and practice
- Oral health (this course will be offered in 2019–2020 and every two years thereafter)
- Psychosocial approaches to public health
- Qualitative research methods
- Research methods.

If you are studying for the MPH, you will also undertake a research project of 15,000–20,000 words and your project studies will incorporate a series of research methods lectures.

#### Career prospects

Career opportunities include lecturer, health development manager, public health adviser, health programme specialist, epidemiologist, medical practitioner positions in public health, clinical university teacher, and research positions.

#### Why choose Glasgow?

The University of Glasgow has provided education in public health since 1839, offered a diploma since the early 20th century and the Masters since 1981.

## Public Health (online)

### MPH Online Distance Learning:

36 months part-time

### PgDip Online Distance Learning:

24 months part-time

### PgCert Online Distance Learning:

12 months part-time

Public health aims to promote health, prevent disease, reduce inequalities in health, and prolong life. The population perspective of public health ensures that its practitioners are well placed to improve health wherever they are. Our Master of Public Health degree has been offered by the University for 35 years and this new online Master of Public Health was launched in 2016.

[mvls-publichealthodl@glasgow.ac.uk](mailto:mvls-publichealthodl@glasgow.ac.uk)

### Programme structure

The programme is delivered via our Virtual Learning Environment and you will take part in online learning activities, including asynchronous lectures and class discussion, interactive group work, research appraisal, and a range of assessment mechanisms.

#### Core courses

- Principles of public health
- Introduction to statistical methods
- Introduction to epidemiology.

#### Optional courses (three courses chosen)

- Communicable diseases
- Further epidemiology and statistics
- Globalisation and public health
- Health economics
- Health promotion: principles and practice
- Psychosocial approaches to public health
- Qualitative research methods
- Research methods.

#### Career prospects

The Masters will evidence the start of postgraduate study in public health and a commitment to the field. Career opportunities for those holding the MPH degree include lecturer, health development manager, public health adviser, health programme specialist, epidemiologist, medical practitioner positions in public health, clinical university teacher and research positions.

#### Why choose Glasgow?

- The University of Glasgow has provided education in public health since 1839 and has offered a diploma in public health since the early 20th century. The Master of Public Health programme has been offered here continuously since 1981.
- The Master of Public Health programme will be taught by academics from a wide variety of organisations and disciplines including environmental protection, public health medicine, sociology and health economics.

## Master of Public Health (Data Science)

MPH: 12 months full time; 24, 36 or 48 months part-time

PgDip: 9 months full-time; 21 or 33 months part-time

Data science is a rapidly growing field of employment opportunity where government agencies, universities, international health agencies, consulting/research firms and other scientific organisations are typical employers. One key focus of public health data science is the analysis of routine administrative health data to improve monitoring of population health and prevent ill health.

[mvls-publichealth@glasgow.ac.uk](mailto:mvls-publichealth@glasgow.ac.uk)

### Programme structure

#### Core courses

- Introduction to statistical methods
- Analysis of linked data (online)
- Introduction to epidemiology
- Principles of public health
- Research dissertation project: with a data science focus.

#### Optional courses (two courses chosen)

- Communicable diseases
- Environmental health
- Further epidemiology and statistics
- Globalisation and public health
- Health economics for health technology assessment (online)
- Health promotion: principles and practice
- Oral health (will next be offered in 2019–2020 and every second year thereafter)
- Psychosocial approaches to public health
- Qualitative Research Methods.

#### One 20-credit course or both 10-credit courses may be taken:

- Introduction to mental health and disability (10 credits)
- The global burden of mental health difficulties (10 credits)
- Cultural, social and biological determinants of mental health (20 credit course)
- International primary care – teaching block 2 course (20-credit online distance learning course).

#### Career prospects

Data science specialism graduates will be suited to positions in epidemiology and information science with NGOs and health service public health departments. Pharmaceutical industry health informatics positions and early career positions in bioinformatics may also suit.

#### Why choose Glasgow?

The analysis of routinely collected data forms a methodological focus in the department's research and publication output. Research methods include crossdisciplinary data linkage, applied econometrics for routine health data, and evaluation of public health interventions and tobacco control.



## Master of Public Health (Epidemiology)

**MPH:** 12 months full time; 24, 36 or 48 months part-time  
**PgDip:** 9 months full-time; 21 or 33 months part-time

This specialism will enable graduates to use real-world evidence to lead on the design and delivery of evidence-focused projects, particularly on data analysis, modelling, and interpretation of findings. Academic epidemiologists will typically explore research questions through conducting secondary analyses on existing data sets.

 [mvls-publichealth@glasgow.ac.uk](mailto:mvls-publichealth@glasgow.ac.uk)

### Programme structure

#### Core courses

- Introduction to epidemiology
- Advanced epidemiology
- Introduction to statistical methods
- Principles of public health,
- Research dissertation project: with an epidemiological focus.

#### Optional courses (two courses chosen)

- Communicable diseases
- Environmental health
- Globalisation and public health
- Health economics for health technology assessment (online)
- Health promotion: principles and practice
- Oral health (will next be offered in 2019–2020 and every second year thereafter)
- Psychosocial approaches to public health
- Qualitative research methods.

#### One 20-credit course or both 10-credit courses may be taken:

- Introduction to mental health and disability (10 credits)
- The global burden of mental health difficulties (10 credits)
- Cultural, social and biological determinants of mental health (20-credit course)
- International primary care – teaching block 2 course (20-credit online distance learning course).

### Career prospects

Academic careers relating to each specialism may be pursued, including research assistant, research associate and lecturer. Similar research positions may be found with NGOs and, to a lesser extent, the private sector. Epidemiology specialism graduates will be suited to health service health surveillance in prevention positions.

#### Why choose Glasgow?

- Epidemiological studies form a significant proportion of the department's research output that includes research on cancer surveillance, long-term conditions and occupational health.
- Epidemiology teaching at Glasgow enjoys high-level support and input from the National Health Service, ensuring a close link to practice and employers.

## Master of Public Health (Health Economics)

**MPH:** 12 months full time; 24, 36 or 48 months part-time  
**PgDip:** 9 months full-time; 21 or 33 months part-time

This programme will prepare graduates to develop specialist and applied economic analyses relevant to health service delivery with potential to be translated into policy. The programme prepares graduates to create analyses, cost and decision analytic models, and evaluations with potential to underpin decision-making and investment in population health improvement initiatives.

 [mvls-publichealth@glasgow.ac.uk](mailto:mvls-publichealth@glasgow.ac.uk)

### Programme structure

#### Core courses

- Health economics for health technology assessment (online)
- Introduction to statistical methods
- Introduction to epidemiology
- Principles of public health
- Research dissertation project: with a health economics focus.

#### Optional courses (two courses chosen)

- Communicable diseases
- Environmental health
- Further epidemiology and statistics
- Globalisation and public health
- Health promotion: principles and practice
- Oral health (will next be offered in 2019–2020 and every second year thereafter)
- Psychosocial approaches to public health
- Qualitative research methods.

#### One 20-credit course or both 10-credit courses may be taken:

- Introduction to mental health and disability (10 credits)
- The global burden of mental health difficulties (10 credits)
- Cultural, social and biological determinants of mental health (20-credit course)
- International primary care – teaching block 2 course (20-credit online distance learning course).

### Career prospects

Academic careers relating to each specialism may be pursued, including research assistant, research associate and lecturer. Similar research positions may be found with NGOs and, to a lesser extent, the private sector. Health economics specialism graduates will be suited to health service, NGO or private sector careers in this specialism and to positions with a health technology assessment component.

#### Why choose Glasgow?

Health economics and health technology assessment forms a major research and teaching focus for our department. Researchers collaborate and engage with national and global policymakers to undertake relevant research and influence decision-making.

## Master of Public Health (Health Promotion)

**MPH:** 12 months full time; 24, 36 or 48 months part-time  
**PgDip:** 9 months full-time; 21 or 33 months part-time

This specialism will be relevant to those developing careers in health promotion or improvement with the NHS or third sector organisations. With a focus on key concepts in health promotion theory and practice, it will prepare graduates to contribute to health promotion related knowledge management, project development, building capacity in individuals and communities, and partnership working.

 [mvls-publichealth@glasgow.ac.uk](mailto:mvls-publichealth@glasgow.ac.uk)

### Programme structure

For the MPH degree with specialism, all students will take four core courses, and focus optional course selection and dissertation topics on relevant specialisms.

#### Core courses

- Health promotion: policy and principles
- Introduction to statistical methods
- Introduction to epidemiology
- Principles of public health
- Research dissertation project: with a health promotion focus.

#### Optional courses (two courses chosen)

- Communicable diseases
- Environmental health
- Further epidemiology and statistics
- Globalisation and public health
- Health promotion: principles and practice
- Oral health (will next be offered in 2019–2020 and every second year thereafter)
- Psychosocial approaches to public health
- Qualitative research methods.

#### One 20-credit course or both 10-credit courses may be taken:

- Introduction to mental health and disability (10 credits)
- The global burden of mental health difficulties (10 credits)
- Cultural, social and biological determinants of mental health (20-credit course)
- International primary care – teaching block 2 course (20-credit online distance learning course).

### Career prospects

Health promotion specialism graduates will be suited to health promotion/improvement practitioner/manager positions in health services or NGOs. Senior roles in health promotion within a healthcare profession may also be suitable.

#### Why choose Glasgow?

The health promotion course at Glasgow includes presentations from academics within and outwith the department and also from those employed in the National Health Service locally.

## Research opportunities

Our research themes are:

- Determinants of health and health inequalities
- Data science – Using routine administrative data and record linkage for research
- Solution-focused research: complex intervention studies and randomised trials.

Our interdisciplinary research spans across the following areas:

- General practice and primary care
- Health economics and health technology assessment
- MRC/CSO Social and Public Health Sciences Unit
- Mental health and wellbeing
- Public health
- Robertson Centre for Biostatistics
- Social scientists in health
- Scottish Learning Disabilities Observatory.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/researchinstitutes/healthwellbeing](http://glasgow.ac.uk/researchinstitutes/healthwellbeing)

# HISTORY

History at Glasgow offers an outstanding learning experience in a great city, in the company of our thirty-strong cohort of historians.


The University of Glasgow has taught History since 1897. In the most recent Research Excellence Framework assessment (REF 2014), we were ranked joint 4th in the UK for research excellence and impact.

Our programmes include theory, cover all periods from medieval to late modern, and emphasise Scotland, Britain, Europe and America. Our geographical coverage is steadily expanding.

Our research directs our postgraduate teaching so that you will explore cutting-edge topics. Teaching is mainly seminar- and discussion-based, in small classes.

The curriculum consists of a research training core course (RRSH); specialised courses on historical and theoretical themes; courses developing your technical skills and abilities, eg languages and palaeography; and a dissertation based on original primary source research. You will work with a supervisor to decide on your dissertation topic, who will also support you in your research and writing.

History staff also contribute to the Masters programmes in War Studies and Global Security, and you can take taught options from these and other programmes, enhancing student choice. We are a dynamic and supportive research community, where you are encouraged to take part in many research-led initiatives such as seminar programmes.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## History

**MLitt/MSc:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time; 18 months part-time

The Masters in History covers all periods from medieval to late modern, focusing on Scotland, Britain, Europe and America. You will study historical skills and methods and produce a research dissertation based on primary sources.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will take one core and five optional courses, taught over two semesters. From April onwards you will concentrate on your dissertation.

#### Core course: Research, Resources and Skills for Historians (RRSH)

RRSH prepares you for the forms of assessment you will encounter on the programme, especially the dissertation. It covers historical skills and methodologies and locating dissertation sources.

This course includes both compulsory and optional classes, catering for all members of our diverse Masters History cohort. The course uses innovative and traditional methods of assessment: a development log, a poster presentation and a dissertation proposal.

#### Optional courses

You can choose from within History to suit your own interests, including:

- Gender history
- Scottish history
- Medieval history
- Early Modern history
- Modern history
- History of medicine.

You can choose to take courses in languages, manuscript studies and palaeography, to develop your technical skills.

With permission, you can also take courses from other subjects in the College of Arts and other colleges.

#### Career prospects

The research skills and methods you will gain on this programme will give you transferable skills for positions in the public and private sectors, including heritage policy and projects, media and teaching. The programme is also a good foundation for a PhD.

#### Why choose Glasgow?

Glasgow is an outstanding resource hub for the study of History. The University Library holds superb printed and manuscript collections from the medieval to the present. You can also use the Baillie Collection of printed medieval and modern sources in Scottish, Irish and English history. The city is home to world-class museums and galleries, such as the Mitchell Library and Glasgow Women's Library.

## Early Modern History

**MLitt:** 12 months full-time; 24 months part-time

This programme focuses on the late 15th to late 18th centuries, looking at the social, political and cultural history of Scotland, England, France, Scandinavia, the Low Countries, Italy and North America.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will take one core course and five optional courses. You will also produce a dissertation.

#### Semester 1: September–December

- Research, Resources and Skills for Historians (RRSH) (core course)
- Two or three optional courses.

#### Semester 2: January–March

- Research, Resources and Skills for Historians (RRSH) (core course)
- Two or three optional courses.

#### Optional courses may include:

- Women and power in Renaissance Italy
- Scottish Reformation
- Print, public opinion and Enlightenment in 18th-century Europe
- History of medicine 1: studies in the history of medicine before 1850
- Tom Paine as an Enlightenment Revolutionary
- Popular culture and the Reformation in Early Modern Scotland.

With permission, you can also take courses from other subjects in the College of Arts and other colleges.

#### Dissertation

You should begin identifying a dissertation topic, and the relevant sources, at an early stage. In late April and early May you will give a dissertation poster presentation, and submit a dissertation proposal. The final part of the programme is devoted to researching and writing up your dissertation, with the support of a supervisor.

#### Career prospects

The research skills and methods you will gain on this programme will give you transferable skills you will need for positions in the public and private sectors, including heritage policy and projects, media and teaching. The programme is also a good foundation for a PhD.

#### Why choose Glasgow?

- Glasgow is home to the Glasgow Centre for Medieval and Renaissance Studies, and the Centre for Scottish and Celtic Studies.
- The learning and research environment is dynamic and supportive because of the critical mass of staff and postgraduate students, grouped in clusters and centres which sponsor seminar programmes and other research-led initiatives. You are positively encouraged to participate.

## Gender History

**MSc:** 12 months full-time; 24 months part-time

This Masters in Gender History provides the opportunity to develop and deepen analysis of the workings of gender in the past. In conjunction with the University of Glasgow's Centre for Gender History, which brings together one of the largest concentrations of gender historians in the UK, the programme encourages cross-chronological and cross-cultural comparisons as well as allowing in-depth research into particular questions.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will learn in a variety of ways. Technical skills are taught through lectures and workshops associated with the core course, while the conceptual foundations for gender history are taught through weekly seminars. Independent and self-reflective critical work is fostered through written assignments and seminar presentations, and culminates in the dissertation.

You will benefit from membership of the Hufton Reading Group (organised by postgraduates for postgraduates with an interest in Gender History) and from attendance at the Centre for Gender History's research seminar, as well as the Centre's annual Public Engagement Workshop.

#### Core courses

- Gender, politics and power
- Gender, culture and text
- Research, resources and skills for historians.

#### Optional courses

- All options on offer within History MLitt/MSc programmes in Arts and Social Sciences.

#### Career prospects

As well as continuing to study for a PhD, you can transfer the research skills and methods you learn to positions in the modern public and private sectors, such as heritage, policy and projects, media and teaching.

#### Why choose Glasgow?

- This programme focuses on an area that is becoming increasingly significant within many spheres of professional and voluntary engagement.
- You will be taught by experts who have research specialisms in this field and are personally involved in values-based practice, and have the opportunity to focus upon issues that matter to you and are relevant to your own practice.

[glasgow.ac.uk/subjects/history/postgraduate](https://glasgow.ac.uk/subjects/history/postgraduate)



## History (with an emphasis on the History of Medicine)

MLitt/MSc: 12 months full-time; 24 months part-time

This programme provides you with thorough research training, an outstanding learning experience, and a wide set of transferable skills in the conception, design and execution of a research project.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses and submit a dissertation on a topic related to the history of medicine.

#### Core courses

- Approaches to history
- History of medicine 1: studies in the history of medicine before 1850
- History of medicine 2: studies in the history of medicine from 1850 to 2000
- Research resources and skills for historians.

#### Optional courses

MSc students will choose two courses from the following:

- Introduction to social theory for researchers
- Qualitative methods
- Quantitative methods.

MLitt students can also choose from a wide selection of courses from subject areas within the College of Arts and College of Social Sciences.

#### Career prospects

Apart from continuing to study for a PhD, you can transfer the research skills and methods you learn on this programme to positions in the modern public and private sectors, such as heritage, policy and projects, journalism and teaching.

#### Why choose Glasgow?

- If you are looking to pursue a specialisation in the history of medicine, led and supported by internationally regarded historians, this programme is ideal for you.
- Strong links with the University's museum and art gallery, The Hunterian, and its Anatomy Museum will give you access to primary source material including an enormous collection of anatomical and pathological specimens, coins, books, manuscripts and ethnography.

## Medieval History

MLitt: 12 months full-time; 24 months part-time

We have one of the greatest concentrations of world-leading medievalists in the UK, covering the entire span of the Middle Ages and a wide range of regions from Ireland to Byzantium.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will take one core course and five optional courses. You will also produce a dissertation.

#### Semester 1: September–December

- Research, Resources and Skills for Historians (RRSH) (core course)
- Two or three optional courses.

#### Semester 2: January–March

- Research, Resources and Skills for Historians (RRSH) (core course)
- Two or three optional courses.

#### Optional courses may include:

- Introduction to medieval manuscript studies
- Medieval palaeography
- Barbarians in the Mediterranean
- Heretics and inquisitors
- The Normans
- Medieval deep structures of Russia and Eastern Europe
- Crusading warfare in the Eastern Mediterranean
- Chivalry and warfare in late medieval Europe, c1300–c1500.

With permission, you can also take courses from other subjects in the College of Arts and other colleges.

#### Dissertation

The final part of the programme is devoted to researching and writing up your dissertation, with the support of a supervisor.

#### Career prospects

The research skills and methods you will gain on this programme will give you transferable skills you will need for positions in the public and private sectors, including heritage policy and projects, the media and teaching. The programme is also a good foundation for a PhD.

#### Why choose Glasgow?

- Glasgow is home to the Glasgow Centre for Medieval & Renaissance Studies and the Centre for Scottish & Celtic Studies.
- The University Library holds superb printed and manuscript collections from the medieval to the present. You can also use the Baillie Collection of printed medieval and modern sources in Scottish, Irish and English history. The University's museum and art gallery, The Hunterian, provides access to primary source materials in fields such as fine art, numismatics and ethnography.

## Modern History

MLitt: 12 months full-time; 24 months part-time

Modern History at Glasgow brings together social and political historians, active in research on topics from the French Revolution to refugees in the 20th century.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will take one core course and five optional courses. You will also produce a dissertation.

#### Semester 1: September–December

- Research, Resources and Skills for Historians (RRSH) (core course)
- Two or three optional courses.

#### Semester 2: January–March

- Research, Resources and Skills for Historians (RRSH) (core course)
- Two or three optional courses.

#### Optional courses may include:

- The Wars of Decolonisation and the making of the global Cold War
- American material culture
- Public humanities: citizenship, community and cultural authority in the contemporary world
- Society and culture in interwar America
- The century of the refugee
- Issues, ideologies and institutions of Modern Scotland
- Secularisation and society: the decline of religion in the west since 1800
- The American counterculture, 1945–75
- Gender, politics and power
- Christianity and the sexual revolution.

With permission, you can also take courses from other subjects in the College of Arts and other colleges.

#### Dissertation

The final part of the programme is devoted to researching and writing up your dissertation, with the support of a supervisor.

#### Career prospects

The research skills and methods you will gain on this programme will give you transferable skills for positions in the public and private sectors, including heritage policy and projects, the media and teaching. The programme is also a good foundation for a PhD.

#### Why choose Glasgow?

The learning and research environment is dynamic and supportive because of the critical mass of staff and postgraduate students, grouped in clusters and centres which sponsor seminar programmes and other research-led initiatives. You are positively encouraged to participate.

## Scottish History

MLitt: 12 months full-time; 24 months part-time

The programme offers courses in social, political, religious, military and cultural history of Scotland from the medieval period through to the 20th century. The programme focuses on Gaelic Scotland, Scotland's place in the British Isles and Europe, and urban Scotland.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will take one core course and five optional courses. You will also produce a dissertation.

#### Semester 1: September–December

- Research, Resources and Skills for Historians (RRSH) (core course)
- Two or three optional courses.

#### Semester 2: January–March

- Research, Resources and Skills for Historians (RRSH) (core course)
- Two or three optional courses.

#### Optional courses may include:

- Scottish castles and palaces in a European context, c1100–1600
- Specialist courses in medieval Scottish studies
- Scottish Reformation
- Popular culture and the Reformation in early modern Scotland
- Plantation and civility in the Isles and Ulster, c1541–1639
- Issues, ideologies and institutions of modern Scotland
- Culture, politics and society in the Highland clearances
- Scottish radicalism.

You can also take courses from other subjects in related disciplines, for example:

- Early Christian monuments of Scotland
- Celtic place-names of Scotland.

With permission, you can also take courses from other subjects in the College of Arts and other colleges.

#### Dissertation

The final part of the programme is devoted to researching and writing up your dissertation, with the support of a supervisor.

#### Career prospects

The research skills and methods you will gain on this programme will give you transferable skills needed for positions in the public and private sectors, including heritage policy and projects, the media and teaching. The programme is also a good foundation for a PhD.

#### Why choose Glasgow?

Teaching and research in Scottish history are firmly embedded in the University, giving benefits from synergies with Celtic and Gaelic, archaeology and Scottish literature, all contributing to the work of the Centre for Scottish & Celtic Studies.

### Research opportunities

We offer the following research study options:

**PhD, MLitt, MPhil and MRes.**

Our research expertise covers the following areas:

- Medieval Europe
- Scotland, Ireland and the British Isles
- Early modern culture, beliefs and ideas
- American history and culture
- History of medicine
- Social and gender history
- War studies
- Late modern American, European, British and Scottish history.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/research/opportunities/subjects/history](http://glasgow.ac.uk/research/opportunities/subjects/history)

“The University of Glasgow is a fantastic place to undertake a PhD in History and I have found it a very enriching experience, both intellectually and personally. My supervisors are leaders in their research fields; working with them I’ve developed significantly in my approaches to historical work and writing. The University has excellent resources and the Archives and Special Collections hold some amazing materials. There is a strong sense of community in History across members at all levels; it’s a very friendly and welcoming place to study.”

**Mona**  
History (PhD) student

## HISTORY OF ART

The University of Glasgow provides a highly stimulating study environment including access to a range of world-renowned collections.

For the study of Art History, students benefit from access to The Hunterian, a leading university collection with world-famous holdings of work by James McNeill Whistler and Charles Rennie Mackintosh; a dedicated History of Art resource centre; and Kelvin Hall, a pioneering collections resource bringing together artworks and artefacts from the University and the City of Glasgow. Memorandums of Understanding with national and international institutions, including Glasgow Life and the Smithsonian (Washington DC) enable unique research, teaching and placement opportunities.

Students also benefit from our partnerships with The Glasgow School of Art, the National Inventory of Continental and European Paintings, Art UK, and the international Lunder Whistler Consortium, as well as from major externally funded research projects on Pacific barkcloth, Spanish art and panel painting conservation.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

### Art History

**MLitt:** 12 months full-time;  
24 months part-time



This Masters in Art History embraces a rich and diverse field of enquiry that explores the relationship between visual culture and wider social practices. Through engagement with a broad range of methodological and chronological perspectives, the flexible structure of this Masters facilitates a bespoke portfolio of courses based on your individual interests, and is intended to enable your fluency across a variety of visual cultures, past and present.

✉ [cca-pgcomm@glasgow.ac.uk](mailto:cca-pgcomm@glasgow.ac.uk)

#### Programme structure

The programme's flexible structure offers a mix of taught and research components, and enables you to either take a broad range of courses resulting in a more general postgraduate qualification in Art History, or to specialise in a named pathway of Art History with a particular chronological or theoretical focus.

#### Core and optional courses

You will study one core course and five optional courses and produce a 15,000-word dissertation.

If you have already identified your particular area of interest, the MLitt in Art History offers three specialised pathways from which you may choose a variety of optional and core courses:

- Art History: Art: Politics: Transgression: 20th Century Avant-Gardes
- Art History: The Renaissance in Northern Italy and Europe
- Art History: Inventing Modern Art, 1768–1918.

#### Career prospects

The MLitt in Art History provides excellent preparation for a variety of careers, particularly in the museum, cultural and heritage sectors, and in the commercial world of auction houses and private dealership. It is also an excellent grounding for those aiming to go on to PhD study and a career in academia.

It fosters and encourages the key skills valued by employers, including the ability to find, select and manage large quantities of information, confident and persuasive oral and written communication, and problem solving through the application of creative and critical thinking.

#### Why choose Glasgow?

- This programme offers privileged access to world-leading expertise and hands-on engagement with original artefacts in world-class collections, including our own museum and art gallery, The Hunterian.
- You will have the chance to participate in the latest critical and theoretical debates around historical and contemporary art practices with experts in the world of Medieval and Renaissance art, the Enlightenment, Impressionism and European Modernism.

[glasgow.ac.uk/subjects/historyofart/postgraduate](http://glasgow.ac.uk/subjects/historyofart/postgraduate)



## Art History: Art: Politics: Transgression: 20th Century Avant-Gardes

MLitt: 12 months full-time;  
24 months part-time



This Masters programme offers a dynamic introduction to the key theoretical debates and issues surrounding the notion of the avant-garde in the 20th and 21st centuries. Glasgow is a major centre of contemporary art and you can opt for a work placement in one of its galleries.

[e david.hopkins@glasgow.ac.uk](mailto:david.hopkins@glasgow.ac.uk)

### Programme structure

Spanning a period from the early 20th century to 2017, the programme consists of dealing with the historical avant-garde, the neo-avant-garde and the post-avant-garde. Teaching is mainly via lectures and seminars, with an emphasis on an informal ethos. There is a central core programme on theories of the avant-garde, augmented by a series of optional modules (on topics such as Marcel Duchamp: Body Art or Dada in Germany). The main piece of assessed work is a dissertation, handed in towards the end of the programme. A regular study trip takes place, either to Berlin or Dublin.

You will take five core courses and one optional course. This is followed by a period of self-study towards a dissertation 15,000 words in length, which will be on a topic chosen in consultation with the tutors and the programme convener.

### Core courses

- Theories of the avant-garde: avant-garde; neo-avant-garde; post-avant-garde
- Readings in Duchamp
- Dada in Germany
- Art and embodiment.

Further options are available in the School of Culture & Creative Arts, eg Modernities (English).

### Career prospects

Career opportunities include work in art galleries and museums, educational work in art institutions and lecturing in universities and art colleges. Contemporary art in particular is seeing a boom in gallery-related employment.

### Why choose Glasgow?

- This is a unique programme. There is no comparable programme devoted solely to the avant-garde, in a theoretical context, in the UK.
- The programme offers work placement opportunities (in galleries) in one of the leading centres for contemporary art in Britain.

## Art History: Collecting & Provenance in an International Context

MSc: 12 months full-time;  
24 months part-time



This Masters programme offers an interdisciplinary approach to studying the history of collecting and collections from an international perspective. In particular, it focuses on the trajectory of artefacts through time and space and the legacy of their social ties. The programme moves the debate beyond the usual focus on the Western Tradition.

[e christa.roodt@glasgow.ac.uk](mailto:christa.roodt@glasgow.ac.uk)

### Programme structure

The programme comprises four core courses and a dissertation. In addition you can choose two optional courses, either from the ones provided within the programme or from available courses across the College of Arts.

The dissertation will be on a topic chosen in consultation with the tutors and programme conveners. You will also have an opportunity to take part in a field trip.

The learning and teaching approaches covered in the programme include lectures (built around objects or case studies), seminars and discussions (supported by relevant published sources), handling sessions and supervision.

### Core courses

- Cultures of collecting
- Object biography
- Provenance
- Global illicit trafficking.

### Optional courses may include:

- Art crime
- Collecting and display
- Restitution
- Work placement
- Independent study
- A course from elsewhere in Arts, subject to the approval of the programme convener.

### Career prospects

This Masters programme is intended to provide you with a strong foundation from which to embark upon a career in the visual arts and the art market.

Graduates have gone on to hold positions in museums and galleries (both public and private) and have taken up roles in business, education and research and in the cultural and heritage sectors. The programme also provides an excellent platform for you to move on to PhD studies and an academic career.

### Why choose Glasgow?

- This programme is unique to Scotland and the UK as it combines aspects of art history and law and places them in a broad international context.
- You will learn from world-leading researchers and develop expert knowledge in this specialised area of art history.

## Art History: Dress & Textile Histories

MLitt: 12 months full-time;  
24 months part-time



This programme provides you with the skills to research and interpret the history of dress and textiles. Drawing on the knowledge of interdisciplinary academic and curatorial experts, the programme combines taught and research components based on a combination of theoretical and object-based approaches.

[e sally.tuckett@glasgow.ac.uk](mailto:sally.tuckett@glasgow.ac.uk)

### Programme structure

This taught component consists of three core courses and three optional courses. This is followed by a period of supervised research and writing of the dissertation.

Teaching is delivered by a combination of in-house specialists and visiting scholars and experts. The lectures are enhanced by seminar discussions, some based in museums and galleries, giving you the opportunity to present your ideas and discuss them with classmates in a supportive yet challenging environment. A number of study trips to important local and national collections are also built into the programme.

### Core courses

- Framing dress and textile histories
- Research methods and skills
- Museums and the making of dress and textile histories.

### Optional courses may include:

- The birth of modern fashion? Textiles and dress, 1680–1815
- Understanding textiles
- Renaissance dress and textiles: materials and meanings
- Victorian visions: dress and textiles c.1837–1901
- Material cultures
- Work placement
- Independent study
- 2D digitisation (theory and practice)
- A course from elsewhere in the College of Arts, subject to the approval of the programme convener.

### Career prospects

The attributes you gain will be attractive to employers from museums, the heritage sector, art dealers and auction houses, and costume departments for theatre, film and television production. The programme also offers an excellent foundation upon which to progress to PhD studies and an academic career.

### Why choose Glasgow?

- The programme provides you with a unique opportunity within the UK to study historic dress and textiles, enabling you to develop knowledge and understanding of theory and practice in a critical and/or historical context.
- Working with museum collections, archives and historic interiors, you will also be given a unique insight into the curation, interpretation and preservation of historic dress and textile collections.

## Art History: Inventing Modern Art, 1768–1918

MLitt: 12 months full-time;  
24 months part-time



This programme enables you to understand how painting, design and architecture took new forms and meanings in an age of radical social, scientific and technological change. Working with leading experts, you will learn to interpret these from theoretical as well as object-based approaches.

[e clare.willsdon@glasgow.ac.uk](mailto:clare.willsdon@glasgow.ac.uk)

### Programme structure

The course on research methods and skills is taken by all students in semester 1, and provides an introduction to the key techniques and principles of advanced art-historical study and research. This provides a foundation for the programme's other components, which consist of:

- a dissertation of 15,000 words
- five individual optional courses, which enable you to study particular themes or artistic movements in depth, and, if desired, also to obtain work experience.

### Optional courses may include:

- Whistler, Impressionism and European Avant-Gardes
- Impressionism: innovation and invention 1874–1926
- The artistic house
- Reading international Art Nouveau
- Landscape art and the geography of 18th-century Britain
- The birth of modern fashion? Textiles and dress, 1680–1815
- Historicism: German art, architecture and design 1850–1918
- Work placement
- Independent study
- Student exhibition
- Semester abroad (École du Louvre, Paris)
- Research forum.

### Career prospects

The programme provides a strong foundation for work in the museum, heritage and education sectors, as well as in media, publishing and arts administration. Its distinctive object-based study sessions and field trips introduce you to key professionals, while the placement option provides work experience – an essential first step in much arts employment.

### Why choose Glasgow?

- You'll have access to Glasgow's world-leading resources, from Charles Rennie Mackintosh's School of Art to the Burrell Collection and The Hunterian, home to the world's largest public Whistler display.
- The programme is taught by a team including experts in the Enlightenment, Whistler, Impressionism, the Vienna Secession, and dress history.

## Art History: Modern Material Artefacts

**MSc:** 12 months full-time;  
24 months part-time.  
This programme is subject to approval.



This programme gives you skills to investigate and interpret synthetic modern materials in everyday artefacts of decorative arts, fashion and social history. Academic and heritage experts in arts and science bring engaging interdisciplinary perspectives to object-based and theoretical studies of material behaviour, historical significance and ethical care decisions for common plastics, fibres, colorants and coatings.

**e anita.quye@glasgow.ac.uk**

### Programme structure

The taught component is comprised of five core courses and one optional course delivered by in-house specialists, visiting scholars and experts. This is followed by a supervised dissertation on a topic chosen in consultation with the programme convener.

#### Core courses

- Making modern artefacts: historical material properties
- Shaping modern artefacts: material form and function
- Changing modern artefacts: material ageing and degradation
- Ethics for artefacts: modern materials
- Research methods and skills.

#### Optional courses may include:

- Victorian visions: dress and textiles: materials and meanings
- Historicism: German art, architecture and design 1850–1918
- Preventive conservation
- Independent study
- A course from elsewhere in the College of Arts, subject to approval of the programme convener.

#### Career prospects

This programme will enable you to specialise in your practice or to enhance your career prospects in curation, conservation, heritage science, collection management, design and fashion history, or academic research. It is especially relevant to those working in or with museums, archives and other cultural organisations where there is a recognised and ever-increasing worldwide need to understand modern materials. The programme offers an excellent foundation to progress to doctoral studies in the UK and internationally.

#### Why choose Glasgow?

- This programme will be the only one in the world specialising in modern material artefacts.
- You will benefit from interdisciplinary teaching and research across sciences, arts and engineering with the Centre for Textile Conservation and Technical Art History.

## Art History: Technical Art History, Making & Meaning

**MLitt:** 12 months full-time



Through object-based interdisciplinary research, this Masters programme focuses on the act of making and everything that encompasses: materials, techniques, intentions, context and concept. You will develop an in-depth understanding of the science and conservation that supports the interpretation of artworks. This rapidly growing field involves art historians, scientists and conservators and also reaches out to social history, economics and philosophy.

**e christina.young@glasgow.ac.uk**

### Programme structure

This programme develops your transferable skills in object-based research, as well as examining the authenticity and provenance of cultural heritage.

#### Core courses

- Research methods in practice
- Art in the making: historical techniques
- Art in the making: modern and avant-garde techniques
- The authentic art work
- Testimonies on painters' practice.

#### Optional courses

- Work placement
- Independent study.

#### Research dissertation

You will have the option of a study trip: to Amsterdam, Munich or Madrid, visiting the conservation studios and research labs of major museums and institutions.

#### Career prospects

Career opportunities include working with collections within cultural heritage organisations, or in a commercial environment performing object-based research, including technical investigation. The programme will also prepare you for a further postgraduate education in conservation or academic research.

#### Why choose Glasgow?

- You will have access to The Hunterian Study Centre at Kelvin Hall, offering an exceptional environment for research-led, object-based teaching and study within a strong crossdisciplinary element.
- You will work with cultural heritage, interacting with academics and professionals from The Hunterian, Glasgow Museums, National Galleries of Scotland and national/international institutions linked to research projects.

## Art History: The Renaissance in Northern Europe & Italy

**MLitt:** 12 months full-time;  
24 months part-time



This programme explores the richness and complexity of artistic invention from the 13th to the 17th centuries. You will have the opportunity for deep engagement with art-making both in Italy and Northern Europe and to challenge orthodoxies about the influence of one upon the other.

**e tom.nichols@glasgow.ac.uk**

### Programme structure

The programme is comprised of a core course designed to give you an overview of methods and of the study of Renaissance visual culture, as well as seminar opportunities to engage directly with original works of art; and optional courses, enabling you to create your own Masters programme. The programme has unique strengths in Scottish Renaissance art and architecture with opportunities for hands-on study of paintings, objects and buildings.

It also allows you to work in an interdisciplinary capacity, selecting courses from across the College of Arts. Core teaching and research training are delivered during the first semester. Optional courses may be taken during the first and second semesters, followed by dissertation research. The dissertation provides an opportunity for you to identify an area of interest and to create a research project that allows in-depth critical exploration of it.

#### Core courses

- Defining the Renaissance: objects, theories, categories
- Research methods and skills.

#### Optional courses may include:

- Death and the art of dying in the Renaissance north
- Masters of the Venetian Renaissance: Titian, Tintoretto, Veronese
- From Gothic to Renaissance in Northern Europe
- The Renaissance palace as portrait
- Work placement.

#### Career prospects

Object-based study sessions and field trips will introduce you to professionals working in museums and the heritage industry and you will have the opportunity to gain further experience of these sectors through an optional work placement. The dissertation will foster essential independent research skills and prepare you for doctoral research should you wish to pursue an academic career.

#### Why choose Glasgow?

- You will learn from world-leading researchers and develop expert knowledge in this specialised area within Art History.
- You will have full access to Glasgow's university and civic collections, which are some of the richest and most diverse in Europe, and are of international standing.

## Curatorial Practice (Contemporary Art)

**MLitt:** 12 months full-time



This programme offers you the opportunity to study curatorial practice in Glasgow, a city with one of the most vibrant and distinctive art scenes in Europe. Jointly run by The Glasgow School of Art and the University of Glasgow, the programme takes the link between curator and artist as the starting point from which to explore curatorial practice.

**e alexandra.ross@glasgow.ac.uk**  
**m.laiseca@gsa.ac.uk**

### Programme structure

You will develop your individual interests, hone your thinking and acquire practical professional skills while initiating and producing real exhibitions, projects and events. You will produce at least two public-facing curatorial projects. Core teaching is delivered during the first and second semesters. One additional course, including an option for a work placement, is taken in the second semester. In semester 3, you will produce a Masters project or a dissertation.

The programme is supported and championed by curators, artists and institutions throughout the city, allowing for a tangible and iterative relationship between theory and practice.

#### Core courses

- Curatorial practice 1 and 2
- Research methods and methodologies in practice.

#### Optional course

In the second semester, you will undertake an optional course, choosing from a range offered across the subject areas within the School of Culture & Creative Arts at the University of Glasgow or elective courses offered by The Glasgow School of Art.

#### Career prospects

The programme will develop your knowledge and expertise in the field of contemporary curatorial practice, and you will acquire a core body of skills and attributes that are attractive to employers, including critical enquiry, research capacity, project planning, project administration, budgeting, practical problem solving and professional working.

#### Why choose Glasgow?

- The programme is embedded within Glasgow and draws on its community of artists, gallery professionals, institutions and international connections.
- It benefits from teaching by core staff, Glasgow-based curators and artists, and visiting guests. Recent guests have included Roger Hiorns, Annette Krauss, Joanne Tatham, Tom O'Sullivan and Lisa Le Feuvre.



## Textile Conservation

**MPhil:** 24 months full-time;  
48 months part-time



Textile Conservation is both an academic programme and professional training; it will give you a framework of theoretical knowledge and a range of practical experience which will enable you to contribute to the understanding and preservation of culturally significant textile artefacts.

[e karen.thompson@glasgow.ac.uk](mailto:karen.thompson@glasgow.ac.uk)

### Programme structure

You will take core courses over two years which will develop an understanding of:

- the practical skills used in textile conservation
- the science underpinning textile deterioration and conservation treatments
- preventive conservation techniques
- the technological, cultural, historic and aesthetic contexts of textile artefacts
- the place of conservation in the wider cultural sector.

### Year 1

- Ethics in textile conservation practice
- Principles and practice: core skills
- Understanding textiles: technology
- Principles and practice: developing skills
- Preventive conservation
- Material cultures
- Placement.

### Year 2

- Principles and practice: advanced skills
- Conservation in practice
- Deconstructing the artefact
- Principles and practice: conservation projects
- Professional development
- Research management
- Dissertation.

### Career prospects

The programme is at career-entry level and graduates are qualified to go on to a post-training internship or directly into the workplace as a textile conservator in a museum or other institution around the world, as well as to undertake further study at PhD level.

The great majority of graduates of this programme now work in museums and other institutions. They have an outstanding record of employment on graduation and of remaining in the sector and are now working in positions worldwide.

### Why choose Glasgow?

- This programme is unique in the UK and one of very few in the world where you can specialise in textile conservation.
- You will work closely with the museum sector and undertake a work placement developing your skills and experience alongside professional practitioners.

## Research opportunities

We offer the following research study options:

**PhD, MLitt, MPhil.**

Our research expertise covers the following areas:

- European art historical periods, particularly medieval, Renaissance, 17th, 18th and 19th centuries
- Modernist studies, particularly Dada and Surrealism
- Chinese art and culture
- The development and application of art theory, particularly gender and post-1945
- Collecting practices, collections and museums
- Technical art history: interdisciplinary research into artists' materials, methods, and studio practices in the past and present, artists' intent, authenticity and authentication
- Contemporary curatorial theory, performative and dialogical practices, the artist–curator relationship and interdisciplinary approaches
- Material culture studies, particularly decorative art and design history
- Dress and textile history
- Textile conservation and textile conservation science.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/research/opportunities/subjects/historyofart](http://glasgow.ac.uk/research/opportunities/subjects/historyofart)



# INFECTION, IMMUNITY & INFLAMMATION


The Institute is home to scientists and clinical investigators of global repute who possess the broad expertise necessary to achieve our aims.

Despite the continual development of new therapies, antibiotics and vaccines, chronic inflammatory and infectious diseases still pose persistent health threats.

Infectious, autoimmune and inflammatory diseases place an enormous global burden on human and animal health. The Institute of Infection, Immunity & Inflammation comprises scientists and clinicians working together to promote and develop research, drug discovery and ultimately improvements in patient care in this area of critical international importance.

Our expertise is supported by state-of-the-art basic science technology, integrated seamlessly with translational clinical trial facilities. We also have numerous research links with disease endemic countries, in particular in Africa, South America and India.

We aspire to a truly “bench to bedside and back” approach to resolving crucial questions of this new millennium.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Immunology & Inflammatory Disease

**MSc:** 12 months full-time  
**PgDip:** 7–8 months full-time  
**PgCert:** 3–4 months full-time

The contribution of inflammation and immune dysfunction to a wide range of diseases, from arthritis to cancer to obesity is becoming increasingly clear. The MSc in Immunology & Inflammatory Disease integrates basic, translational and clinical immunology and inflammation biology with cutting-edge molecular and cellular techniques to equip you with a working knowledge of inflammatory disease together with state-of-the-art research approaches used to study the area.

 [mvls-iid@glasgow.ac.uk](mailto:mvls-iid@glasgow.ac.uk)

### Programme structure

#### Core courses and project

- Immunology: basic translational and clinical
- Molecular research skills
- Designing a research project: biomedical research methodology
- Immunology and inflammatory disease research project (laboratory-based).

#### Optional courses may include:

- Diagnostic technologies and devices
- Animal models of disease
- Current trends and challenges in biomedical research and health
- Technology transfer and commercialisation of bioscience research
- Emerging viruses
- Neuroinflammation
- Bioimaging for research scientists
- Omic technologies for the biomedical sciences.

There are excellent opportunities to engage with industrial and clinical scientists, with guest lecturers from the pharmaceutical industry, medical diagnostic laboratories and bioscience business.

### Career prospects

The programme provides an ideal grounding for progression to further research studies in immunology, inflammation and infectious diseases, or for a career in pharmaceutical/bioscience industries.

### Why choose Glasgow?

- You will receive training in the disciplines of Immunology and Inflammation within an internationally recognised centre of excellence.
- The MSc in Immunology & Inflammatory Disease builds on over 40 years of experience in teaching immunology at Glasgow. Glasgow established the first BSc Honours programme in immunology in the UK and continues to provide one of the most comprehensive postgraduate and undergraduate educations in immunology in the country.

## Infection Biology

**MSc:** 12 months full-time  
**PgDip:** 7–8 months full-time  
**PgCert:** 3–4 months full-time

The taught Infection Biology MSc will help you to develop your knowledge and understanding of the molecular mechanisms by which bacteria, viruses and parasites cause disease in humans and in domesticated animals, and the immune responses generated by these hosts to such pathogens. You can choose to specialise in virology, microbiology (bacteriology) or parasitology.

 [mvls-infectionbio@glasgow.ac.uk](mailto:mvls-infectionbio@glasgow.ac.uk)

### Programme structure

#### Core courses and project

- Host–pathogen interactions and immune responses to infection
- Molecular research skills
- Designing a research project: biomedical research methodology
- Infection biology research project (laboratory-based or non-laboratory-based, in virology, parasitology or microbiology).

#### Optional courses include:

- Animal models of disease
- Bioimaging for research scientists
- Current trends and challenges in biomedical research and health
- Drug discovery
- Diagnostic technologies and devices
- Emerging viruses
- Omic technologies for biomedical sciences
- Technology transfer and commercialisation of bioscience research.

### Career prospects

The University of Glasgow MSc in Infection Biology provides you with many career opportunities. About half of our MSc students enter a research career, mainly by undertaking further postgraduate research studies towards a PhD, or by working in research laboratories in clinical or academic settings, including national government laboratories. Other students go on to work in the pharmaceutical, diagnostic or biotechnological industries.

### Why choose Glasgow?

- This degree in Infection Biology allows you to study in an Institute housing two UK national centres of excellence, in Virology and Parasitology, and active in the Scottish Infection Research Network (SIRN).
- This programme provides access to a combination of highly specialised equipment that is unique in Scotland, including cutting-edge in vitro and in vivo research facilities.

## Infection Biology (Microbiology specialism)

**MSc:** 12 months full-time

Growing resistance to antibiotics poses a grave threat to human health, and developing novel strategies to combat bacterial infections is one of this century's most important scientific challenges. Through a specialism in microbiology, students will be able to pursue careers developing new medicines, tackling diseases and improving the environment. We have expertise in areas of both medical and veterinary microbiology, covering a wide range of topics related to understanding the pathogenesis of infectious disease and the development of new and improved vaccines and therapeutics.

 [mvls-infectionbio@glasgow.ac.uk](mailto:mvls-infectionbio@glasgow.ac.uk)

### Programme structure

#### Core courses

- Host–pathogen interactions and immune responses to infection
- Molecular research skills
- Omic technologies for the biomedical sciences: from genomics to metabolomics
- Designing a research project: biomedical research methodology
- Infection biology research project (microbiology).

#### Optional courses include:

- Drug discovery
- Diagnostic technologies and devices
- Current trends and challenges in biomedical research and health
- Technology transfer and commercialisation of bioscience research
- Viruses and cancer.

Students will be eligible to graduate with a named specialism in microbiology by carrying out 90 credits of courses in the chosen specialist area.

For example, students choose a microbiology research project for MSc Bioscience Research Project (60 credits) and Designing a research project: biomedical research methodology (20 credits), and select a Microbiology topic for one of the 10-credit optional courses.

### Career prospects

Many of our students proceed to postgraduate studies in Microbiology or other infection-related subjects. In addition to academia, public health, laboratory diagnostics and the pharmaceutical industry are all work opportunities. Other students go on to work in the pharmaceutical, diagnostic or biotechnological industries.

### Why choose Glasgow?

Our scientists and clinicians have provided consultancy, contract research and collaborative research that has delivered research findings into real-world solutions.



## Infection Biology (Parasitology specialism)

**MSc:** 12 months full-time

Parasites cause a wide variety of human and livestock diseases worldwide, with severe consequences in both developing and developed countries. This specialism will help you to develop your knowledge and understanding of parasitic behaviour and enable you to develop a career as a parasitologist. Global health issues involve diseases like malaria, sleeping sickness, bilharzia, river blindness and elephantiasis. These diseases are caused by parasites, which also have major impacts on animal health. Glasgow has internationally leading research and teaching capability in Parasitology and students can learn about how parasites infect their hosts, how hosts respond to infection and what we can do to combat parasitic disease.

 [mvls-infectionbio@glasgow.ac.uk](mailto:mvls-infectionbio@glasgow.ac.uk)

### Programme structure

#### Core courses and project

- Host–pathogen interactions and immune responses to infection
- Molecular research skills
- Omic technologies for the biomedical sciences: from genomics to metabolomics
- Designing a research project: biomedical research methodology
- Infection biology research project (parasitology).

#### Optional courses include:

- Drug discovery
- Diagnostic technologies and devices
- Current trends and challenges in biomedical research and health
- Viruses and cancer
- Technology transfer and commercialisation of bioscience research.

Students will be eligible to graduate with a named specialism in parasitology by carrying out 90 credits of courses in the chosen specialist area.

For example, students choose a parasitology research project for MSc Bioscience Research Project (60 credits) and Designing a research project: biomedical research methodology (20 credits), and select a Microbiology topic for one of the 10-credit optional courses.

### Career prospects

Many of our students proceed to postgraduate studies in Parasitology or other infection-related subjects. In addition to academia, public health, laboratory diagnostics and the pharmaceutical industry are all work opportunities that have been taken by our graduates.

### Why choose Glasgow?

The University of Glasgow is ranked 1st for Veterinary Medicine and 3rd for Medicine in the UK (Complete University Guide 2019).

## Infection Biology (Virology specialism)

**MSc:** 12 months full-time

The University of Glasgow has the largest grouping of human and veterinary virologists in the UK. Fundamental research on viruses and viral diseases lies at the core of our mission to translate knowledge to benefit the health of society. Our research programmes span a wide breadth of topics across whole populations to the subcellular level. Key defining features of our expertise include viral ecology and epidemiology, in vivo patho-genesis, diagnostics, molecular virology, viral immunology, vaccines, viral oncology, structural virology and virus genomics and bioinformatics.

 [mvls-infectionbio@glasgow.ac.uk](mailto:mvls-infectionbio@glasgow.ac.uk)

### Programme structure

#### Core courses and project

- Host–pathogen interactions and immune responses to infection
- Molecular research skills
- Omic technologies for the biomedical sciences: from genomics to metabolomics
- Designing a research project: biomedical research methodology
- Infection biology research project (virology).

#### Optional courses include:

- Drug discovery
- Diagnostic technologies and devices
- Current trends and challenges in biomedical research and health
- Viruses and cancer
- Technology transfer and commercialisation of bioscience research.

Students will be eligible to graduate with a named specialism in Virology by carrying out 90 credits of courses in the chosen specialist area.

For example, students choose a Virology research project for MSc Bioscience Research Project (60 credits) and Designing a research project: biomedical research methodology (20 credits), and select a Virology topic for one of the 10-credit optional courses.

### Career prospects

Studying virology prepares students for a wide range of careers options not only in basic research in academia but also in clinical and veterinary health and the pharmaceutical industry. Many of our students proceed to postgraduate studies in Virology or other infection-related subjects. In addition to academia, public health, laboratory diagnostics and the pharmaceutical industry are all work opportunities that have been taken by our graduates.

### Why choose Glasgow?

Our scientists and clinicians have provided consultancy, contract research and collaborative research that has delivered research findings into real-world solutions.

## Research opportunities

The PhD programme in Immunobiology is based on individual research projects covering an exciting range of topics, with specific areas of interest including:

- Atherosclerosis
- Bacteriology, parasitology and virology
- Cancer and leukaemia
- Chemokines and cell migration
- Cytokine biology
- Dendritic cell biology
- Imaging the immune response
- Infectious disease
- Intestinal immunity
- Intracellular signalling and transcriptional regulation
- Lymphocyte biology
- Neuroimmunology, including repair strategies for the CNS and PNS following immunologically mediated injury (multiple sclerosis, Guillain-Barré syndrome) and spinal cord injury using glial/stem cell transplantation and antibody profiling
- Osteoimmunology
- Rheumatology
- Tissue injury and repair; focus on regenerative medicine.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/research/opportunities/subjects/immunologyinflammation](https://glasgow.ac.uk/research/opportunities/subjects/immunologyinflammation)

The Institute of Infection, Immunity & Inflammation offers a wide range of cutting-edge research facilities. As well as our core facilities in FACS analysis (cellular analysis), histology and state-of-the-art imaging, we also offer the IVIS imaging system, high content screening microscopy, mass spectrometry, an X-ray capable FX Pro bioluminescence imaging system and a protein purification service.

# INFORMATION STUDIES

Information Studies offers an exciting programme of research and teaching on the creation, management and use of information in all its forms. Our areas of speciality are:


- Museums
- Archives
- Libraries
- Information and records management
- Digital humanities.

Our rich environment of practice-based teaching and research is immersed in heritage and provides first-hand experience in ways that knowledge has been created, used, communicated and preserved from the past to the digital age. Our facilities include:

- The Kelvin Hall collections research and teaching spaces
- World-class collections of the University's museum and art gallery, The Hunterian
- University of Glasgow's Archives and Special Collections
- Museums and Libraries of the City of Glasgow.

Our programmes are designed in line with the skills and knowledge required by employers within their professional fields. Work placements, practitioner seminars and guest speakers are a key part of the learning environment.

If you study with us you will benefit from a unique combination of critical, analytical and communication skills that are in high demand by employers, equipping you to tackle the challenges of the 21st century. You will enjoy access to dedicated, cutting-edge computing facilities and unrivalled access to cultural heritage collections within one of the most inspirational and accessible cities in the world.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

[glasgow.ac.uk/subjects/informationstudies/postgraduate](http://glasgow.ac.uk/subjects/informationstudies/postgraduate)

## Information Management & Preservation

**MSc:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time; 18 months part-time  
**PgCert:** 4 months full-time  
**CPD:** Options available

The programme provides you with an understanding of contemporary information and records management issues. It pays special attention to the management of digital records and electronic resources, and how to manage these alongside the analogue.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

The programme is designed for those with a professional interest in records management, archives and digital curation. It will prepare you to work in these fields, and give you a thorough grounding for continuing with research.

You will develop skills in the core competencies of archives and records information management, creating and managing digital records, digital curation and preservation issues, archival theory, user needs, and description, cataloguing, and navigation.

The programme consists of six courses spread over two semesters. You will take courses in:

- Archives and records information management
- Records and evidence
- Description, cataloguing and navigation
- Digital curation.

### Optional courses may include:

- 2D digitisation
- Archives and records theory
- Digital humanities
- Document encoding
- Law for cultural heritage institutions
- Palaeography.

To graduate with the MSc you will also need to complete a dissertation.

### Career prospects

As a graduate, you will be well placed for a career as an archivist, records manager or digital curator within a variety of public and private organisations.

Positions held by recent graduates include archivist, librarian, information & compliance officer and records manager.

### Why choose Glasgow?

- As a graduate you will be eligible to be accredited by both the Archives & Records Association and CILIP (Chartered Institute of Library and Information Professionals), providing valuable professional recognition in both the archive and library fields.
- You will complete a two-week work placement in an archive, records management or digital repository.

## Museum Studies

**MSc:** 12 months full-time;  
 24 or 36 months part-time  
**PgDip:** 9 months full-time



The Masters in Museum Studies will help you develop the knowledge, understanding and skills required of today's versatile museum professional. It has been designed in conjunction with employers to meet their needs for well-rounded museum professionals trained in the latest theoretical and practical approaches.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

Three different strands of the MSc in Museum Studies are offered.

The Theory and Practice strand is our standard Museum Studies programme where the museum itself is the primary object of study.

Two specialist strands enable you to combine courses in Museum Studies with specialist courses from the following Masters programmes:

- Art history: collecting & provenance in an international context
- Material culture & artefact studies.

Each strand will give you a different mix of core and optional courses. All students take two common core courses in Museology and Research & Professional Skills. You also take four courses from your strand (a combination of strand core and optional courses) and one research project.

There are opportunities for you to take practice-based courses or work placements at the museums and galleries that partner the programme.

### Career prospects

Career opportunities exist in a variety of roles within the cultural heritage sector; these include museums and galleries as well as historic houses, heritage sites and consultancy. Roles range from front of house, education and outreach to collections management, curation, marketing and management.

### Why choose Glasgow?

- Glasgow's civic and university collections are the richest and most diverse outside of London and are of international standing.
- Taught alongside staff from the University's own museum and art gallery, The Hunterian, the degree programme provides a combination of academic and practitioner input.

## Research opportunities

We offer the following research study options:

**PhD, MLitt, MPhil, MRes.**

Our research areas include:

- Theoretical approaches to information
- Management, curation and evaluation of digital assets
- Archives, records and (personal) information management
- Digital heritage, digital museology and digital humanities
- Entertainment and information access systems.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/research/opportunities/subjects/informationstudies](http://glasgow.ac.uk/research/opportunities/subjects/informationstudies)




# LAW

The teaching of law at the University of Glasgow dates back to the foundation of the University in 1451.

The School of Law has a long and illustrious history with distinguished alumni including judges, politicians and scholars. As one of the top law schools in the UK – currently ranked 1st in Scotland and 2nd in the UK in the Complete University Guide 2019 – we enjoy a worldwide reputation for excellence in research.

As a student you will have access to our excellent facilities including a dedicated law library and Moot Courtroom as well as an opportunity to take part in our vibrant seminar series, featuring talks from highly successful judges and lawyers.

You will benefit from our employability experts, who organise careers events, courses and networking sessions to help you into a successful career. Studying Law at Glasgow equips you with the knowledge and skills you need in an increasingly competitive legal job market.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Corporate & Financial Law

LLM: 12 months full-time; 24 months part-time

The programme provides a specialist focus on transactions, markets and global regulatory issues. Modern lawyers need to understand the structure and interplay of both corporate and financial law at both domestic and international level.

 [konstantinos.sergakis@glasgow.ac.uk](mailto:konstantinos.sergakis@glasgow.ac.uk)

### Programme structure

Courses are delivered through a blend of lectures and seminar-style teaching. You will be taught by a team of academics with practical experience of transactions and regulatory issues.

You are required to take at least three courses from the following list (plus one other) and to submit a dissertation.

#### Courses

- Corporate and social responsibility
- Corporate finance
- Corporate governance
- Debt finance and security
- International financial regulation
- International finance law
- International investment law
- International merger control
- Law and markets
- M&A transactions.

#### Career prospects

There is a high demand for law professionals with expertise in both corporate and financial law. You will be well placed for roles in law firms, banks, insurers, asset managers, regulators and international organisations.

#### Why choose Glasgow?

- You will focus on key areas such as the legal framework for equity capital, issuing debt, takeovers and insolvency.
- The programme covers both the private law focus on the structuring of individual transactions, and the public law focus on the regulation of financial institutions and markets.

## Diploma in Professional Legal Practice

PgDip: 9 months full-time; 24 months part-time

The Diploma provides you with the necessary qualification to pursue a law traineeship. Undertaken after obtaining your LLB, it is the next step towards a career as a solicitor or advocate in Scotland. Our aim is that the Glasgow Diploma comes to be regarded as the trademark of excellence, ensuring that you are not just employable but actively sought after by employers. It will equip you with the hands-on skills necessary to practise law as a “day one ready trainee” in the 21st century, as well as excellent opportunities to develop your own professional network to support you throughout your career.

 [law-dip-legal-practice@glasgow.ac.uk](mailto:law-dip-legal-practice@glasgow.ac.uk)

### Programme structure

You will take five core and three optional courses. The core courses are required by the Law Society of Scotland, which regulates Scotland's legal profession. Optional courses allow you to select additional subjects of study that suit your areas of interest or meet the requirements of your future employers in the legal profession. Courses are delivered through a combination of online resources, e-modules, lectures and small group tutorials.

#### Core courses

- Civil litigation
- Commercial awareness
- Conveyancing
- Criminal litigation
- Private client.

#### Optional courses may include:

- Advanced civil litigation
- Advanced criminal litigation
- Commercial contracts
- Commercial conveyancing
- Contemporary Scottish public law
- Corporate
- Family law
- Human rights.

#### Career prospects

Upon successful completion you will be eligible to progress through your traineeship to work as a solicitor or advocate in Scotland. The Diploma in Professional Legal Practice is a requirement for entry into these roles in the legal profession.

#### Why choose Glasgow?

- Our programme aims to bridge the gap between academia and professional legal practice. Designed by practising lawyers, it replicates the work you will do as a trainee.
- You will receive support, through mentorship and networking events, from our extensive network of highly experienced professionals, drawn from all sectors of the legal industry.

## Intellectual Property & the Digital Economy

LLM: 12 months full-time; 24 months part-time

Within the rapidly globalising environment of intellectual property and digital commerce, this programme provides you with a unique opportunity to specialise in this increasingly important area of law.

 [thomas.margoni@glasgow.ac.uk](mailto:thomas.margoni@glasgow.ac.uk)

### Programme structure

You are required to take at least three courses from the following list (plus one other) and to submit a dissertation within the area. Courses are delivered through a blend of lectures and seminar-style teaching.

#### Courses

- Contemporary issues in intellectual property
- Copyright in the digital environment
- CopyrightX: Glasgow
- Design and patent law
- European Union trade law
- E-commerce, rights management and information
- Intellectual property and the market
- International and comparative intellectual property law
- International and comparative moral rights
- International competition law
- Trade marks and brands.

#### Career prospects

The programme provides high-level training at the intersection of law and technology – an area of crucial importance to legal professionals everywhere. The emphasis on research will help you to develop excellent analytical and writing skills highly sought after by potential employers. Internship opportunities with leading global and local firms support the development of further skills. Career paths include roles in law firms, entertainment and media companies, international organisations, government and non-governmental organisations.

#### Why choose Glasgow?

- You will develop a critical understanding of a wide range of issues concerning the legal regulation of intellectual property and the digital economy.
- You will benefit from access to and engagement with the RCUK Centre for Copyright and New Business Models in the Creative Economy (CREAtE), based at the University of Glasgow.

## International Commercial Law

LLM: 12 months full-time; 24 months part-time

Continual developments in e-commerce and a shift towards global trading mean that new legal skills and knowledge are constantly needed in many jobs. The programme will prepare you for a career focused in these key international areas.

✉ [andreas.rahmatian@glasgow.ac.uk](mailto:andreas.rahmatian@glasgow.ac.uk)

### Programme structure

You are required to take at least three courses from the following list (plus one other) and to submit a dissertation. Courses are delivered through a blend of lectures and seminar-style teaching. The use of international sources, such as conventions, means you learn about the law in the UK while also developing a broader international perspective.

### Courses

- Advanced international competition law
- Corporate finance
- Corporate governance
- Corporate social responsibility and the law
- Debt finance and security
- E-commerce, rights management and information
- European Union trade law
- International competition law
- International financial regulation
- International trade law
- International investment law
- International merger control
- International sales and finance
- Law and markets
- M&A transactions.

### Career prospects

There is a high demand for law professionals with expertise in international commercial law. You will be well placed for roles in law firms, banks, international traders, asset managers and regulators.

### Why choose Glasgow?

- Commercial law has been a strength of the School of Law for many years, and this programme reflects the considerable expertise of the staff involved.
- You will benefit from our excellent facilities including the dedicated School of Law library; our main University Library also contains our extensive collection of legal materials and official publications and is a European Documentation Centre.

## International Competition Law & Policy

LLM: 12 months full-time; 24 months part-time

The programme provides you with a unique opportunity to specialise in an increasingly important area of law. The laws of the EU and the US lie at the heart of this programme, but reference is made to the laws of many other jurisdictions.

✉ [mark.furse@glasgow.ac.uk](mailto:mark.furse@glasgow.ac.uk)

### Programme structure

You are required to take at least three courses from the following list (plus one other) and to submit a dissertation. Courses are delivered through a blend of lectures and seminar-style teaching.

### Courses

- Advanced international competition law
- Intellectual property law and the market
- International competition law
- International merger control.

### Career prospects

The programme provides a thorough academic background in the area of competition law and policy. Competition law has been subject to dramatic growth in recent years, and the need for properly qualified people has risen correspondingly. This is particularly the case in East Asia, but the trend is part of a wider one. Our graduates work in leading international law firms or prestigious domestic firms in a wide range of countries. Others are placed with regulators and competition agencies around the world, or work directly for industry and commerce.

### Why choose Glasgow?

- Competition laws have been adopted by many countries, including the US, European Union and its member states, and recently China.
- The law impacts significantly on the ways in which companies, both large multinational corporations, and small and medium-sized enterprises, conduct themselves in the competitive environment.

## International Economic Law

LLM: 12 months full-time; 24 months part-time

The programme offers an in-depth study of all the different aspects of the contemporary regime of international economic law. Unlike most other programmes, it overcomes the division between the main branches of international economic governance – world trade, investment and finance – and raises awareness for common themes and challenges facing international economic law in these different areas.

✉ [akbar.rasulov@glasgow.ac.uk](mailto:akbar.rasulov@glasgow.ac.uk)

### Programme structure

You will take one core and three optional courses, at least one of which must fall in the field of either international trade law or international investment law. Courses will be delivered through a combination of lectures and seminars. You will also be required to submit a dissertation on a related topic.

### Core course

- International law and international economic governance.

### Optional courses may include:

- EU trade law
- International and comparative intellectual property law
- International courts and tribunals
- International finance law
- International financial regulation
- International investment law
- International trade law
- International courts and tribunals
- Law and markets.

### Career prospects

The rare combination of doctrinal, theoretical, legal-historical, comparative and policy perspectives which this programme provides will prove highly attractive both to public- and private-sector employers. The programme will be of particular interest to those interested in pursuing a career in international organisations, government service, advanced research institutions, think tanks, NGOs, independent consultancy, and academia. Those seeking to pursue a career in legal practice will benefit from the programme's broad approach: they will be able to situate specific legal problems arising in highly practical areas within the broader context of international economic law.

### Why choose Glasgow?

- The core course is designed to provide a bird's-eye view of the field of international economic governance and the multiple roles played by international law in that context.
- Key areas of focus include the structure of global economic governance, the rules and institutions of world trade, international investment, and international finance.

## International Law

LLM: 12 months full-time; 24 months part-time

The programme reflects the breadth of contemporary international law, addressing issues as diverse as world trade disputes, United Nations peacekeeping, international human rights litigation, state responsibility and criminal trials before international courts.

✉ [christian.tams@glasgow.ac.uk](mailto:christian.tams@glasgow.ac.uk)

### Programme structure

You are required to take at least three courses from the following list (plus one other) and to submit a dissertation. Courses are delivered through a blend of lectures and seminar-style teaching.

### Courses

- Advanced introduction to international criminal law
- Advanced introduction to the law of the United Nations
- Foundations of international law (normally compulsory)
- International and European human rights law
- International courts and tribunals
- International trade law
- International investment law
- International law and international economic governance.

### Career prospects

There is a high demand for law professionals with expertise in international law. The days in which international law was treated as an 'extra' are long gone. Lawyers pursuing ambitious careers will now inevitably have to deal with rules of international provenance, in fields as diverse as human rights or investment protection. You will be well placed for roles in law firms, international institutions, government departments and non-governmental organisations.

### Why choose Glasgow?

- If you want to increase your horizons to an international platform and look beyond domestic legal orders, this LLM is ideal for you.
- You will be taught by a team that truly understands international issues, with staff drawn from Canada, Germany, Scotland, Greece and Uzbekistan.



## International Law & Security

LLM: 12 months full-time; 24 months part-time

This is an innovative programme that focuses on the role and relevance of international law in a rapidly changing global security environment. It reflects the breadth of contemporary international security issues, addressing issues as diverse as terrorism, armed conflicts and transnational organised crime.

 [robin.geiss@glasgow.ac.uk](mailto:robin.geiss@glasgow.ac.uk)

### Programme structure

The courses are delivered through a combination of lectures, seminars and project work. You are required to study one core course and three optional courses, as well as to submit a dissertation.

### Core course

- International law and international security.

### Optional courses may include:

- Advanced introduction to international criminal law
- Advanced introduction to the law of the United Nations
- Clinic: Human rights and humanitarian law in practice
- International and European human rights law
- International courts and tribunals
- International law and international economic governance
- International security and international relations
- The laws of armed conflict.

### Career prospects

There is a high demand for law professionals with expertise in international law and security. You will be well placed for roles in international institutions, government departments (ministries of foreign affairs, defence, justice, home affairs, and development), non-governmental organisations and law firms.

### Why choose Glasgow?

- If you want to increase your horizons to an international platform, look beyond domestic legal orders and learn about global security issues, this LLM is ideal for you.
- You will be taught by an excellent team that truly understands international issues, with staff drawn from Canada, Germany, Scotland, Greece and Uzbekistan.

## Law (LLM)

LLM: 12 months full-time; 24 months part-time

The Masters in Law (General LLM) provides a challenging general legal education at graduate level.

 [irene-marie.esser@glasgow.ac.uk](mailto:irene-marie.esser@glasgow.ac.uk)

### Programme structure

You will take four courses and submit a dissertation.

For details of courses available, see programme entries for:

- Corporate & Financial Law (LLM)
- Intellectual Property & the Digital Economy (LLM)
- International Commercial Law (LLM)
- International Competition Law & Policy (LLM)
- International Economic Law (LLM)
- International Law (LLM)
- International Law & Security (LLM).

### Career prospects

You will be well placed for roles in the legal profession as a lawyer, solicitor or advocate in law firms, government agencies or other organisations.

### Why choose Glasgow?

- If you are interested in law generally but have not identified a particular area of specialty, this programme gives you some flexibility and choice. You can construct your own programme of law studies drawn from the full range of courses on offer.
- You will benefit from our excellent facilities including the dedicated School of Law library; our main University Library also contains our extensive collection of legal materials and official publications and is a European Documentation Centre.

## Law (MRes)

MRes: 12 months full-time

This programme provides you with an excellent preparation for further research in Law, serving as a qualification in its own right and a platform for PhD study.

 [emilios.christodoulidis@glasgow.ac.uk](mailto:emilios.christodoulidis@glasgow.ac.uk)

### Programme structure

You will take a combination of core and optional courses, followed by a dissertation on a specialised topic.

### Core courses

- Advanced legal methods 1A: Legal research methodologies OR Advanced legal methods 1B: Traditions of legal enquiry
- Advanced legal methods 2: Jurisprudence of concepts
- Qualitative research methods OR Quantitative data analysis.

### Optional courses may include:

- Applied qualitative methods
- Comparative European politics
- EU in international politics and development
- Fundamentals of international law
- Intellectual property law and the market\*
- International competition law\*
- International security and global politics
- International theory
- International trade law\*
- Internet and civil society
- Media and democracy
- Metaphysics
- Mind in the Scottish Enlightenment
- Moral philosophy
- Philosophy of art
- Philosophy of language
- Philosophy of mathematics
- Philosophy of mind
- Political legitimacy: contemporary perspectives
- Political philosophy
- United Nations law.

\* Requires a prior degree in Law or a degree with a 50% law component.

### Career prospects

This programme provides an excellent foundation for an academic career in this field.

### Why choose Glasgow?

- There is a strong emphasis on research training, in order to help you develop generic research knowledge and skills.
- You will be introduced to legal research methodologies, the ethics of legal research, key traditions of legal inquiry and basic concepts of legal thought.

## Socio-Legal Studies

MRes: 12 months full-time

This programme offers an advanced introduction to the study of Law with a specific emphasis on socio-legal methodology. It provides you with an excellent preparation for doctoral study in the area of socio-legal research, serving as a qualification in its own right and a platform for PhD study.

 [emilios.christodoulidis@glasgow.ac.uk](mailto:emilios.christodoulidis@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course, followed by a dissertation on a specialised topic.

### Core courses

- Advanced legal methods 2: Jurisprudence of concepts
- Applied qualitative methods OR Introduction to social theory for researchers
- Applied legal methods 1A: Legal research methodologies OR Advanced legal methods 1B: Traditions of legal enquiry
- Qualitative research methods
- Quantitative data analysis.

### Optional courses may include:

- Fundamentals of international law
- United Nations law.

### Career prospects

This programme provides you with an excellent foundation for an academic career in this field.

### Why choose Glasgow?

- There is a strong emphasis on research training. You are introduced to legal research methodologies, the ethics of legal research, key traditions of legal inquiry and basic concepts of legal thought.
- You are also given a solid grounding in qualitative and quantitative research methodologies.

## Research opportunities

We offer the following research study options:

**PhD, LLM by Research.**

Our research areas include:

- Commercial and competition law
- Criminal law and criminal justice
- Family law
- Intellectual property
- International law
- International private law
- Labour law
- Legal history at Glasgow
- Legal theory
- Private law
- Public law.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/law](http://glasgow.ac.uk/research/opportunities/subjects/law)

“The thing I liked the most about my time on the LLM was the intellectual challenge that it offered. The fact that the content we covered often contained multi-jurisdictional issues (such as the interaction of competition regulation and intellectual property law in the EU and US), or deliberating the substantive and procedural issues which should be considered when constructing a competition regime, was both challenging and rewarding at the same time.”

**Robin**

International Competition Law & Policy (LLM) graduate

## LIFE SCIENCES

The School of Life Sciences has an international reputation for teaching and research in modern biological sciences.

We offer an exceptional choice of degree programmes including the areas of:

- Molecular biology
- Cellular biology
- Population ecology.

We take a collaborative, crossdisciplinary approach to addressing the scientific challenges of this post-genomic and information age. If you choose to study with us you can benefit from an exceptional choice of degree programmes that attract students from across the globe.

The strengths of the school include the academic breadth of teaching activities, innovative teaching practice and experienced staff committed to providing an excellent teaching and learning experience for students.

Our competitive degrees utilise the research and teaching strengths of the College of Medical, Veterinary & Life Sciences to deliver research-led education and equip our graduates with the skills and attributes necessary for success in any chosen career.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Bioinformatics

**MSc:** 12 months full-time

**PgDip:** 9 months full-time

**PgCert:** 3 months full-time

Bioinformatics is a discipline at the interface between biology and computing and is used in organismal biology, molecular biology and biomedicine. The MSc programme focuses on using computers to glean new insights from DNA, RNA and protein sequence data and related data at the molecular level through data storage, mining, analysis and visualisation – all of which form a core part of modern biology. The programme is geared to those who want to learn both about computing (eg programming) and about integrative functional genomics and its role in modern biology.

 [mvlb-bioinformatics@glasgow.ac.uk](mailto:mvlb-bioinformatics@glasgow.ac.uk)

### Programme structure

#### Core courses

- Programming (Java)
- Database theory and application
- Foundations of bioinformatics
- Omics and systems approaches in biology
- 60-credit summer research project lasting 14 weeks; normally this will be in one of the research laboratories in Glasgow associated with the programme, but there is also the opportunity to study in suitable laboratories in other parts of the world.

Optional and bioinformatics-specific courses may include:

- RNA-seq and next generation transcriptomics
- Pathogen polyomics
- Identification of disease-causing genetic variants
- Using chemical structure databases in drug discovery for protein targets.

### Career prospects

Our programme caters for three main career tracks:

- General biology PhD – many projects now require some bioinformatics skills, either to supplement bench science, or as the focus of the project
- Core bioinformatician/RA posts
- Outside science – many employers value “big data” handling skills.

### Why choose Glasgow?

- Our programme emphasises understanding core principles in practical bioinformatics and functional genomics, and then implementing that understanding in a series of practical-based elective courses in semester 2 and in a summer research project.
- You will benefit from being taught by scientists at the cutting edge of their field.



## Biomedical Sciences (MSc)

**MSc:** 12 months full-time

This MSc programme in Biomedical Sciences offers research training for those intending to proceed to a career in biomedical sciences, either directly or through a PhD. It is based on a single research project and coursework. It is similar to the MRes in Biomedical Sciences, but instead has one research project and more taught courses to prepare you for work in a laboratory environment. It is designed for those who feel they need more experience before undertaking a laboratory-based research project.

[mvls-mscbms@glasgow.ac.uk](mailto:mvls-mscbms@glasgow.ac.uk)

### Programme structure

The overall aims of the programme are to provide you with:

- the knowledge, skills and confidence needed to pursue a career in laboratory research
- a theoretical and practical understanding of advanced techniques used in modern biomedical sciences research
- the opportunity to practise research skills in the laboratory by completing an extensive research project in an area of their choice.

### Core courses include:

- Molecular genetics of disease
- Higher skills in biomedical sciences
- Designing a research project
- Laboratory research project.

### Optional courses include:

- Bio-imaging for researchers
- Drug development and clinical trials
- Drug discovery
- Emerging viruses
- Frontiers in cancer sciences
- Introduction to Matlab for biologists
- Neuroscience: in vivo models
- Omics for biomedical sciences
- Technology transfer and commercialisation of the biosciences.

### Career prospects

This programme will prepare you for careers within life sciences, particularly those in which research plays a key role. You will be equipped with the knowledge, understanding and skills to allow you to progress as a researcher or as a basis to pursue a PhD within the life sciences or medical sciences.

Previous students have gained employment within contract research organisations, clinical sciences, research development management, medical writing, pharmaceutical and biotechnical industries.

### Why choose Glasgow?

The programme provides training in a wide range of modern molecular biology techniques required to pursue a research career in biomedical science.

## Biomedical Sciences (MRes)

**MRes:** 12 months full-time

This Masters programme in Biomedical Sciences offers research training for those intending to proceed to PhD. It is largely based on individual research projects rather than coursework, and allows you to specialise in a particular area of study.

[mvls-mresbms@glasgow.ac.uk](mailto:mvls-mresbms@glasgow.ac.uk)

### Programme structure

The overall aims of the programme are to provide you with:

- the knowledge, skills and confidence needed to pursue a career in laboratory research
- a theoretical and practical understanding of advanced techniques used in modern biomedical sciences research
- the opportunity to practise research skills in the laboratory by completing two extensive research projects.

### Core courses include:

- Molecular genetics of disease
- Higher skills in biomedical sciences
- Two individual 12-week research projects.\*

\* By undertaking these two research projects in a cognate research area, MRes students can choose to specialise in a particular discipline or area.

### Career prospects

The knowledge, understanding and transferable skills gained within this programme will prepare you for a wide range of careers particularly those within the life sciences, clinical sciences, pharmaceutical and biotechnology industries as well as preparing students for pursuing PhD positions.

### Why choose Glasgow?

- The programme provides training in a wide range of modern molecular biology techniques required to pursue a research career.
- You will gain valuable practical research experience by using the skills and techniques acquired during the programme to complete two extensive research projects.

## Biomedical Sciences (Integrative Mammalian Biology)

**MRes:** 12 months full-time

This programme is open for applicants domiciled in Scotland and the European Union. There is a shortage of academics and those within industry with in vivo research skills, and so this MRes will provide training that will considerably improve your future career options, particularly within industry. Glasgow is one of only four centres of excellence in these skills and is the only place you can undertake such an MRes in the UK.

[mvls-bmsimb@glasgow.ac.uk](mailto:mvls-bmsimb@glasgow.ac.uk)

### Programme structure

The overall aims of the programme are:

- to provide students with the knowledge, skills and confidence needed to pursue a career in laboratory research
- to provide students with a theoretical and practical understanding of advanced techniques used in modern biomedical sciences research
- to provide students with the opportunity to practise research skills in the laboratory by completing an extensive in vivo research project.

### Core courses include:

- Higher skills in biomedical sciences
- Endocrinology in health & disease
- Molecular genetics of disease
- Project 1
- Project 2.

### Career prospects

Many of our graduates go on to further postgraduate research at PhD level having gained invaluable in vivo research experience or continue to jobs within the health sector, biomedical sales or the pharmaceutical/biotechnology industry.

### Why choose Glasgow?

- Ranked 12th in the UK for Biological Sciences (Complete University Guide 2019).
- The University of Glasgow is the only university where you can undertake such an MRes in the UK.

## Human Anatomy

**PgCert:** 5 months full-time

This taught Postgraduate Certificate in Human Anatomy is a new unique programme offering comprehensive training in all human anatomy, including legislation relevant to working in a human anatomy laboratory.

[mvls-anatomy@glasgow.ac.uk](mailto:mvls-anatomy@glasgow.ac.uk)

### Programme structure

The Postgraduate Certificate in Human Anatomy comprises three core compulsory courses taught from January to May each year. It comprises approximately 10 hours of direct contact teaching each week during the programme.

- Introduction to anatomy
- Structure and function of the human body
- Cadaveric dissection techniques.

### Career prospects

The Postgraduate Certificate in Human Anatomy gives comprehensive anatomical training which could provide a platform for further study in the field. It could enhance an individual's clinical portfolio for a specialty related to the surgical, paramedical and allied health professionals practice which requires an in-depth anatomical knowledge.

### Why choose Glasgow?

- You will study in one of the busiest human anatomy laboratories in Europe where we admit approximately 100 donors each year. This provides us with a distinctive and privileged way to teach and research in the field of human anatomy.
- You will have access to a large number of prosected (professionally dissected) anatomical specimens.

## Medical Visualisation & Human Anatomy

**MSc:** 12 months full-time

This programme is the first taught Masters programme in medical visualisation in the UK. Offered jointly by the University of Glasgow and The Glasgow School of Art, it combines actual cadaveric dissection with 3D digital reconstruction, interaction and visualisation.

 [paul.rea@glasgow.ac.uk](mailto:paul.rea@glasgow.ac.uk)  
[d.livingstone@gsa.ac.uk](mailto:d.livingstone@gsa.ac.uk)

### Programme structure

You will split your time between The Glasgow School of Art (School of Simulation & Visualisation) and the University of Glasgow (Laboratory of Human Anatomy). The programme is structured in three stages.

#### Stage one: digital technologies for medical visualisation (at the School of Simulation & Visualisation):

- Research methods
- Medical visualisation including volumetric visualisation, 3D modelling and interactive applications.

#### Stage two: human anatomy (at the Laboratory of Human Anatomy):

- Introduction to anatomy
- Structure and function of the human body
- Cadaveric dissection techniques.

In stage three you will complete a self-directed final project, supported with individual supervision.

### Career prospects

Career opportunities exist with the commercial healthcare device manufacturers and in public and private healthcare sectors, as well as in academic medical visualisation research and development. You will be able to gain 3D visualisation skills specific to applications in the medical, biomedical, anatomy or health domains and will be involved in the design and development of related visualisations and/or applications through digital technology, eg visualising current life science research, creating patient information applications or training applications for medical practitioners, diagnostic and clinical applications, medical visualisation and simulation.

### Why choose Glasgow?

- You will examine human anatomy and reconstruct it in 3D for use in education, simulation and training.
- You will have opportunities to work with a wide range of specialist 3D visualisation hardware and software, including stereographic 3D, haptic and motion input devices, and facilities for virtual and augmented reality.

## Research opportunities

We offer PhDs in the following research areas:

- Molecular biology
- Cellular biology
- Population ecology.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/schools/lifesciences/research](http://glasgow.ac.uk/schools/lifesciences/research)

## MANAGEMENT

Management at the University of Glasgow began in the late 1950s and is part of an internationally accredited world-class business school.

The University of Glasgow has a long tradition of research-led business and management education and development, delivered within an internationally recognised and highly regarded Russell Group University.

Our aim is to help creative thinkers, managers and executives to realise their potential by stimulating interest and reflection, heightening awareness and expanding horizons. Our working environment is collaborative, collegiate and crossdisciplinary. The result is research that is world-leading, innovative, significant, rigorous and featured in respected academic journals.

If you study with us you will benefit from industry links which offer tangible benefits to our students. Corporate supported teaching spaces and consultancy projects provide an enhanced learning experience, while commissioned research informs our teaching, providing students with the most up-to-date management knowledge.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Finance & Management

**MSc:** 12 months full-time

This programme will provide you with an understanding of management and financial management. You will learn to critically evaluate the macro and micro environment to successfully impact on the management of organisations operating in a global context, especially from a financial perspective.

 [business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

You will take both core and optional courses and undertake a dissertation.

You will benefit from active learning in real-life case studies and scenario investigations, guest talks, lectures by senior business practitioners, and career development sessions involving essay and exam answering workshops, CV writing workshops and mock interviews.

### Core courses

- Corporate finance and investment
- Financial services
- Global business environment
- International strategic management
- Managing across cultures and comparative management
- Management issues and controversies.

### Optional courses may include:

- American business and management in an international context
- International finance and money
- Modern theory of banking and finance
- The business environment in China
- The European business environment
- The internationalisation of SMEs.

### Career prospects

This programme will equip you for a career in general management or the financial sector for roles such as financial analyst, management consultant or business analyst. Companies which have employed recent graduates include Hangzhou Bank Ltd, The Hackett Group, Heineken and LEGO Systems.

### Why choose Glasgow?

- You will build on your general business knowledge gained during your undergraduate degree. You will develop a multidisciplinary knowledge base of finance, management and economics to aid with your problem-solving and decision-making skills to support business management.
- You will develop an in-depth understanding into topics including international business strategies, global business and financial systems, cross-culture management, corporate finance and investment management, intellectual property protection, and corporate social responsibility.

[glasgow.ac.uk/subjects/management/postgraduate](http://glasgow.ac.uk/subjects/management/postgraduate)



## International Business & Entrepreneurship

**MSc:** 12 months full-time

This programme will provide you with advanced knowledge and skills in international business, cross-cultural management and international entrepreneurship.

[business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

You will take nine core and two optional courses and submit a dissertation. In semester 1 you will put theory into practice by combining your learning from the two main subject areas, international business and entrepreneurship, to develop a start-up plan for a business with international potential. In semester 2 you will develop your understanding of how firms compete successfully in the international marketplace. Throughout the year you will develop practical, intellectual and transferable skills through a range of group and individual activities. You will also be involved in internationalisation consultancy projects with real companies.

#### Core courses

- Entrepreneurial finance
- Global business environment
- International entrepreneurship and innovation
- International management solutions
- International strategic management
- Managing across cultures and comparative management
- Managing the multinational enterprise and subsidiaries
- Market analysis
- Research methods.

#### Optional courses may include:

- American business and management in an international context
- Digital entrepreneurship
- International business ethics
- Managing innovation and technology transfer.

#### Career prospects

Graduates are presented with a range of opportunities in the employment market. Our alumni have either set up their own businesses, or worked in SMEs, consultancy or multinational companies such as AMT Group, Google and IGI Global, in a management capacity.

#### Why choose Glasgow?

- This programme is designed for students with talent, ambition and entrepreneurial flair who would like to develop a career in international business development, international entrepreneurship or venture management.
- It combines developing entrepreneurial skills for business start-up and management skills for the international marketplace.

## International Human Resource Management & Development

**MSc:** 12 months full-time

If you want to develop your career in Human Resource Management (HRM) or Human Resource Development (HRD) then this programme is for you. It combines theory and practice which allows you to develop a comprehensive knowledge of contemporary human resource management and human resource development within an international context.

[business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

You will take eight core and two optional courses, and complete a dissertation. Your dissertation will focus on an HRM/HRD issue which develops your organisational research skills and encourages the development of research-informed solutions to real-life work-based issues.

#### Core courses

- Developing skills for business leadership
- Human resource development
- Human resource management context: Understanding organisations and external environments
- International perspectives on employment relations
- Managing and leading people in an international context
- Managing diversity
- Operational and strategic HRM
- Research skills for managers.

#### Optional courses may include:

- Career management in the contemporary economy
- Knowledge management and organisational learning
- Organisational misbehaviour
- Understanding global work.

#### Career prospects

By the end of the programme, you will have acquired the knowledge and skills for developing your career in either HRM or HRD, including international managerial roles. The learning approach emphasises experiential learning, reflective practice, and the development of interpretive, evaluative and problem-solving abilities which provide benefits for employers and enhance graduate career prospects.

#### Why choose Glasgow?

- You will develop skills and knowledge in both Human Resource Management (HRM) and Human Resource Development (HRD), enabling you to specialise your career in either field.
- The programme is accredited by the Chartered Institute for Personnel and Development (CIPD). You will automatically become a CIPD student member and get access to the world's largest collection of online HR learning and development resources.

## International Management & Design Innovation

**MSc:** 12 months full-time

This programme has been developed to help you understand how design in practice operates and to examine its importance to a modern international company. This degree is offered as a partnership between The Glasgow School of Art (GSA) and the Adam Smith Business School, with your time spent equally between the two institutions. If your degree background is in design and you want to expand your horizons into business, or you have a degree in management and you want to develop your design skills, then this Masters is for you.

[business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

The emphasis is on learning by doing and requires a lot of collaborative work with your fellow students to simulate a real work environment. You will take eight core courses, and complete a substantial independent piece of work in the form of a project or dissertation. Teaching is through a combination of lectures, seminars, project work and classes in study skills. The business and management lectures will take place at the University of Glasgow, and The Glasgow School of Art will provide you with practical design workshops and studio sessions.

#### Core courses

- Business finance
- Contemporary issues in human resources
- Contextual practices (GSA)
- Collaborative practices (GSA)
- Managing strategic change
- Marketing management
- Operations management
- Service design: User-led service innovation (GSA).

#### Career prospects

This programme will allow you to pursue a career in either new small companies or international businesses. Recent graduates have found jobs in smaller and less established companies such as Fleming International and Lavastorm in the UK, while others have returned to their home countries to roles in international businesses.

#### Why choose Glasgow?

- The programme will provide you with a detailed understanding of how design is relevant to industry. You will learn how design drives social and economic development and innovation.
- You will engage with classmates and staff who have a range of experience and expertise to help you tackle complex problems, and view issues from a variety of angles, such as the economic, sociocultural and behavioural factors that play into successful innovation.

## International Strategic Marketing

**MSc:** 12 months full-time

This programme will provide you with a detailed understanding of contemporary marketing principles, techniques and trends from an international perspective to help you think independently and strategically.

[business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

You will take nine core and three optional courses, followed by a dissertation. Reflecting, evaluating and presenting are facilitated at every stage by simulations, real-life case studies and scenario investigations. You will also be given the opportunity to pursue in-company projects, carry out consultancy work and take part in business simulations.

#### Core courses

- Consumer behaviour
- Global business environment
- International strategic management
- Managing across cultures and comparative management
- Marketing communications
- Marketing ethics and society
- Marketing research
- Services marketing
- Strategic marketing management.

#### Optional courses may include:

- E-marketing strategy
- International brand management
- Retail marketing
- Sales management and techniques
- Strategic marketing consultancy.

#### Career prospects

Graduates go on to work in marketing roles in small and large companies around the world, particularly in positions relating to brand management, advertising and public relations, marketing research, marketing consultancy, and those associated with conventional or digital marketing.

#### Why choose Glasgow?

- You will develop the ability to analyse, evaluate and manage market opportunities within an international context to prepare you for a career in a large or small enterprise.
- You will foster a critical appreciation of relevant theories and methodologies from across the marketing discipline that will help you analyse situations and make decisions.

## Management (MSc)

**MSc:** 12 months full-time

This is an intensive programme that provides an advanced introduction into the latest management thinking and business conditions. You will develop an understanding of modern business principles and techniques, including financial information management, marketing and strategy. It is ideally suited if you want to learn about management without a prior business degree or previous experience.

**e** [business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

You will take a series of core and optional courses and complete a substantial independent piece of work, normally in the form of a project, dealing with a topical management issue. There are also non-assessed, compulsory workshop programmes, involving participation in a series of reflective learning exercises that include induction events, strategic case analyses and debates. The courses comprise a combination of lectures, seminars, tutorials, simulations, fieldwork and project work, both in groups and individually.

### Core courses

- Delivering performance
- Dimensions of international business and management
- Financial information management
- Marketing management
- People in organisations
- Strategic management.

### Optional courses may include:

- Analytical marketing
- Business environment in China
- Digital transformation
- E-marketing strategy
- Influencing skills.

### Career prospects

This degree will prepare those with no previous experience of business and management for a wide range of careers in senior management. Recent graduates have gone on to roles including business development manager, finance & operations commercial manager, and sales director, and have been employed by international organisations such as PricewaterhouseCoopers, EY and BMW.

### Why choose Glasgow?

- The programme will provide you with an in-depth understanding of contemporary business and management issues, in addition to environmental and historical influences on business and management practice.
- Through practical exercises that encourage innovative thinking and develop analytical and interpretive skills, it will equip you with essential managerial and business skills required to succeed in the industry.

## Management (MRes)

**MRes:** 12 months full-time; 24 months part-time

Designed in line with ESRC guidelines, this programme offers a solid foundation for doctoral studies in management. It combines in-depth study of a specialist management topic of your choice and applied training in management research methods. It provides an integrated ESRC pathway into your management PhD.

**e** [eugene.nazarovs@glasgow.ac.uk](mailto:eugene.nazarovs@glasgow.ac.uk)

### Programme structure

You will take four core and up to four optional courses. From the beginning you will have the opportunity to work alongside a diverse group of PhD researchers and become a member of the postgraduate research community. Teaching will be in the format of lectures, seminars, workshops and group discussions, and you will also undertake an independent research project.

### Core courses

- Management research methods
- Masterclass in management theory and practice
- Qualitative methods
- Quantitative data analysis.

### Optional courses may include:

- Brand management
- Digital entrepreneurship
- Entrepreneurial finance
- International strategic management
- Leadership and talent management
- Managing across cultures
- Managing diversity
- Marketing communications.

### Career prospects

By the end of the programme, you will have knowledge and skills that equip you to undertake independent research at the frontier of the management field. This will enable you to pursue further PhD research or to take up employment in policy or practice that relies on management research. Graduates can pursue careers in management, including local and national government, business and industry. Possible professions include management consultant, analyst or research project manager. The vast majority of our graduates have continued to a PhD in management.

### Why choose Glasgow?

- This programme will equip you with theoretical knowledge of your chosen specialist research topic in management, as well as the qualitative and quantitative skills necessary to become a successful management researcher or analyst.
- You will learn how to identify research questions, design and manage research projects, and prepare high-quality research proposals. You will create your own research proposal and gain applied training that is tailored to your specific research topic.

## DUMFRIES/GLASGOW CAMPUS Management & Sustainable Tourism

**MSc:** 12 months full-time

This programme will provide you with an understanding of the contemporary issues impacting on the tourism industry, and will explore the cultural, environmental and sustainability dimensions of rural and urban tourism. By the end, you will have the managerial and service-related knowledge and understanding to participate in and develop internationally attractive tourism offerings.

**e** [business-mscprofpathways@glasgow.ac.uk](mailto:business-mscprofpathways@glasgow.ac.uk)

### Programme structure

You will take eight core courses and one optional course, followed by a piece of independent work. Your learning experience will be enhanced through a variety of extracurricular activities, including seminar programmes, study visits and project-oriented internships.

In semester 1 you will study in Glasgow. Semester 2 will be spent in Dumfries.

### Core courses

- Business finance
- Contemporary issues in human resource management
- Events management
- Managing creativity and innovation
- Managing strategic change
- Operations management
- Service delivery risk and resilience
- Tourism sustainability and climate change.

### Optional courses may include:

- Environmental ethics and behavioural change
- Environmental politics and society
- Sustainable heritage management
- Tourism marketing.

### Career prospects

You will develop the attributes of a tourism professional capable of dealing with the challenges posed by environmental, societal and economic change, and to succeed in a competitive international job market. Potential career pathways may include specialist managerial roles within the leisure and tourism industry, and heritage and cultural industry, as well as generalist managerial roles with industry, commerce and the public and private sectors. Enterprising graduates may go on to develop business opportunities within the tourism, heritage and cultural industries.

### Why choose Glasgow?

- Tourism is increasingly impacting upon the sustainability of regions, cultures and attractions of interest. This programme will enable you to better understand how to protect and exploit fragile socio-economic resources, how we identify international best practice and learn from it, and how to shape new sustainable futures.
- You will address a key issue facing communities, industry and government: how best to develop tourism potential without endangering the surrounding infrastructure and environment.

## Management with Enterprise & Business Growth

**MSc:** 12 months full-time

Responding to international developments and the global expansion of business opportunities, this programme provides an enhanced introduction into modern business principles, techniques and contextual conditions. This is combined with a focus on the areas of business growth and enterprise.

**e** [business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

You will take a series of core and optional courses and complete a substantial independent piece of work, normally in the form of a project, dealing with a topical management issue. There are also non-assessed, compulsory workshop programmes, involving participation in a series of reflective learning exercises that include induction events, strategic case analyses and debates.

The taught courses comprise a combination of lectures, seminars, tutorials, simulations, fieldwork and project work, both in groups and individually.

### Core courses

- Business planning
- Delivering performance
- Financial information management
- Marketing management
- People in organisations
- Strategic management.

### Optional courses may include:

- Digital transformation
- Internationalisation of small and medium enterprises (SMEs).

### Career prospects

As a graduate you will demonstrate leadership potential and the ability to adapt to changing circumstances. Potential career prospects include working in human resources, marketing and various management roles. Recent graduates have gone on to work for companies such as Huawei Technologies, Deloitte and Sany Science and Technology.

### Why choose Glasgow?

- You will gain a critical understanding of the nature of issues associated with enhancing a business, such as effective employee development and key drivers for innovation.
- The demands for increased enterprise and innovation have been well documented at national policy level and this has been reflected in dialogue from industry.



## Management with Human Resources

**MSc:** 12 months full-time

The programme provides a developed understanding of both general and human resource management, combined with a detailed introduction to the issues faced by contemporary business and human resource management.

 [business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

You will take a series of core and optional courses and complete a substantial independent piece of work, normally in the form of a project, dealing with a topical management issue.

There are also non-assessed, compulsory workshop programmes, involving participation in a series of reflective learning exercises that include induction events, strategic case analyses and debates.

The taught courses comprise a combination of lectures, seminars, tutorials, simulations, fieldwork and project work, both in groups and individually.

### Core courses

- Contemporary issues in human resources management
- Delivering performance
- Financial information management
- Marketing management
- People in organisations
- Strategic management.

### Optional courses may include:

- Influencing skills
- International human resource management
- Learning and development
- Managing diversity in organisations.

### Career prospects

This programme provides opportunities to work in general and human resource management, while also providing an opportunity to pursue careers in other areas related to business practice. As a graduate you will be able to show initiative, demonstrate leadership potential, and adapt to changing circumstances. Some of our recent graduates have gone on to roles such as online operations manager, HR manager and defect management consultant.

### Why choose Glasgow?

- This programme is designed to enable you to critically evaluate the theoretical dimensions associated with key human resource management policies, such as reward management and human resource development.
- You will develop the essential managerial capabilities and business skills to explain the importance of the relationship between organisational strategy, human resource management and organisational performance.

## Management with International Finance

**MSc:** 12 months full-time

The programme aims to foster a critical understanding of the principles of management and finance within an international context.

 [business-management@glasgow.ac.uk](mailto:business-management@glasgow.ac.uk)

### Programme structure

You will take a series of core and optional courses and complete a substantial independent piece of work, normally in the form of a project, dealing with a topical management issue. There are also non-assessed, compulsory workshop programmes, involving participation in a series of reflective learning exercises that include induction events, strategic case analyses and debates.

The taught courses comprise a combination of lectures, seminars, tutorials, simulations, fieldwork and project work, both in groups and individually.

### Core courses

- Corporate finance
- Delivering performance
- Marketing management
- People in organisations
- Strategic management.

### Optional courses may include:

- International banking and financial management (Accounting & Finance)
- Mergers and acquisitions (Accounting & Finance).

### Career prospects

This degree provides you with an enriched skill set that enhances career prospects and is attractive to employers. Recent graduates from this degree programme have gone on to work for a range of international organisations, including KPMG, EY and the Agricultural Bank of China.

### Why choose Glasgow?

- You will obtain a detailed introduction to contemporary business and management issues, incorporating an understanding of the environmental and historical influences on business and management practice.
- You will be able to critically analyse current financial management issues and think both strategically and operationally in terms of important business decisions.

## MBA (Master of Business Administration)

**MBA:** 12 months full-time

The Glasgow MBA will empower you with crucial skills and knowledge and provide you with the networking opportunities you need to accelerate your career, either as a manager within the private, third or public sector, or in developing your own entrepreneurial ambition. We give you one-to-one support to help develop you into a successful leader.

 [business-mba-enquiries@glasgow.ac.uk](mailto:business-mba-enquiries@glasgow.ac.uk)

### Programme structure

The Glasgow MBA begins by laying the foundations of leadership through three core learning experiences. You are then given the opportunity to specialise in finance, marketing or strategy.

An important part of our MBA is the team-consulting project towards the end of the year. This is an opportunity for you to bring theory into practice and tackle real-life business scenarios.

Between May and September you will work on a dissertation on a topic agreed with your supervisor.

### Core courses

- Decision-making under uncertainty
- Business strategic management
- Strategic foresight.

### Optional courses may include:

- Business-to-business relationship management
- Company and market failure
- Consumer behaviour
- Entrepreneurial finance
- International strategy for multinational enterprise
- Strategic human resource management
- Supply chain management
- The making of strategy.

### Career prospects

As a Glasgow MBA graduate you will join the ranks of successful and influential professionals making a mark on organisations around the world. Our dedicated MBA Careers Manager will support you throughout the year, helping you plan for the next stage of your career and equipping you with the tools and strategies to compete effectively within the global job market. Many of our graduates have senior roles specialising in management, marketing and finance, across all industries and sectors, while others have established their own business.

### Why choose Glasgow?

- We have been teaching the MBA since 1976. Our programme is AMBA accredited, which means that our MBA is internationally recognised to the highest standard.
- We recruit a small yet diverse cohort of students so that you will receive dedicated one-to-one teaching and support while also being able to learn from your fellow students' experience and skill set.

## Research opportunities

Management embraces diverse social science methodological traditions and research methods. Its interdisciplinarity and methodological pluralism position it well to address key contemporary concerns in the area of global economic performance and new technology, innovation and skills. We currently offer a PhD in Management.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/management](http://glasgow.ac.uk/research/opportunities/subjects/management)


# MATHEMATICS & STATISTICS

Glasgow's proud history of excellence in Mathematics dates back to the 17th century and we have one of the largest statistical groups in the UK.

With 56 full-time academic staff and around 140 postgraduate students, the School of Mathematics & Statistics is one of the largest in the UK.

If you study with us you can benefit from our highly rated teaching standards and supportive learning environment. You will participate in an extensive and varied seminar programme, with members of the school involved in networks including the North British Functional Analysis Seminar, the North British Differential Equations Seminar and the London Mathematical Society Network on Classical and Quantum Integrability.

The school offers a vibrant, dynamic and supportive environment for both staff and students. Our graduates have an excellent track record of gaining employment in many sectors including finance, academia, industry and teaching, while others have continued to a PhD.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Advanced Statistics

MRes: 12 months full-time

This flexible Masters programme will allow you to gain further experience in complex state-of-the-art statistical methods, both in terms of their practical application and their underpinning theory. Previous study of statistics is required.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Courses include (12 chosen):

- Advanced Bayesian methods
- Advanced data analysis
- Bayesian statistics
- Big data analytics
- Biostatistics
- Data analysis
- Data management and analytics using SAS
- Design of experiments
- Environmental statistics
- Financial statistics
- Flexible regression
- Functional data analysis
- Generalised linear models
- Introduction to R programming
- Linear mixed models
- Machine learning
- Multivariate methods
- Principles of probability and statistics
- Professional skills
- Spatial statistics
- Statistical genetics
- Stochastic processes
- Time series.

You will also carry out a project (60 credits), assessed by a dissertation.

### Career prospects

Statistical analysis and data mining is ranked 2nd in the Top 10 Most In-Demand Hard Skills 2018 by LinkedIn.

Our graduates have an excellent track record of gaining employment in many sectors, including medical research, the pharmaceutical industry, finance and government statistical services, while others have continued to a PhD.

### Why choose Glasgow?

The MRes in Advanced Statistics is accredited by the Royal Statistical Society.

## Biostatistics

MSc: 12 months full-time

Statistical methods play a key role in medical research and in the pharmaceutical industry. This Masters will provide you with a thorough grounding in state-of-the-art statistical methods and their use in medical and genetic applications, together with the practical experience of carrying out detailed statistical investigations. Previous study of statistics is not required.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

#### Core courses (compulsory)

- Bayesian statistics
- Biostatistics
- Generalised linear models
- Introduction to R programming
- Preliminary mathematics for statisticians
- Probability
- Regression models
- Statistical inference.

In your project (60 credits) you will model data collected in biomedical research, assessed by a dissertation.

#### Optional courses (choose at least one course from group 1 with remaining courses from group 2)

##### Group 1

- Data analysis
- Professional skills.

##### Group 2

- Data management and analytics using SAS
- Design of experiments
- Functional data analysis
- Spatial statistics
- Statistical genetics
- Time series.

### Career prospects

Our graduates have an excellent track record of gaining employment in many sectors, including medical research, the pharmaceutical industry, and finance and government statistical services, while others have continued to a PhD. Graduates of this programme have gone on to work for the NHS and companies such as NSS and QuintilesIMS.

### Why choose Glasgow?

The MSc in Biostatistics is accredited by the Royal Statistical Society (RSS).

## Data Analytics

MSc: 12 months full-time

Data is becoming an ever increasing part of modern life, yet the talent to extract information and value from complex data is scarce. This Masters will provide you with a thorough grounding in state-of-the-art methods for learning from data, in terms of both statistical modelling and computation. Previous study of statistics or computing science is not required.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

#### Core courses

- Bayesian statistics
- Big data analytics
- Data management and analytics using SAS
- Generalised linear models
- Introduction to R programming
- Probability
- Regression models
- Statistical inference.

#### Optional courses

##### Group 1

- Artificial intelligence
- Information retrieval
- Machine learning
- Programming.

##### Group 2

- Data analysis
- Professional skills.

##### Group 3

- Biostatistics
- Design of experiments
- Environmental statistics
- Financial statistics
- Multivariate methods
- Spatial statistics
- Statistical genetics
- Stochastic processes
- Time series.

In your project you will tackle a complex data analytical problem or develop novel approaches to solving data analytical challenges.

### Career prospects

Statistical analysis and data mining is ranked 2nd in the Top 10 Most In-Demand Hard Skills 2018 by LinkedIn.

Our graduates have an excellent track record of gaining employment in many sectors, including medical research, the pharmaceutical industry, and finance and government statistical services.

### Why choose Glasgow?

We work closely with The Data Lab, an internationally leading research and innovation centre in data science. Our students will benefit from a wide range of learning and networking events that connect leading organisations with students looking for exciting opportunities in this field.

[glasgow.ac.uk/schools/mathematicsstatistics/postgraduate](https://glasgow.ac.uk/schools/mathematicsstatistics/postgraduate)



## Data Analytics (online)

**MSc Online Distance Learning:** 36 months part-time  
**PgDip Online Distance Learning:** 24 months part-time  
**PgCert Online Distance Learning:** 12 months part-time

Whether you are looking to start a career in data science or develop your current career, this programme provides you with vital data science skills. This skills-based yet rigorous curriculum provides you both with a thorough foundation in the underlying principles of learning from data and practical technical expertise in data handling, visualisation and modelling.

 [maths-stats-analyticsmsc@glasgow.ac.uk](mailto:maths-stats-analyticsmsc@glasgow.ac.uk)

### Programme structure

This flexible part-time programme is completed over three years. In the first two years, you will take two courses each trimester. In third year, you will work on a project and dissertation. Faster routes are available for those applying for the PgDip or MSc.

The courses are designed to allow you to work at your own pace, with milestones and assessment to be completed according to an agreed timetable while in full-time employment (around 10 hours of study per week).

#### Core courses

- Advanced predictive models
- Data analytics in business and industry
- Data management and analytics using SAS
- Data mining and machine learning I: supervised and unsupervised learning
- Data mining and machine learning II: big and unstructured data
- Data programming in Python
- High-performance computing for data analytics
- Learning from data
- Predictive models
- R programming
- Stochastic models and probability
- Uncertainty assessment and Bayesian computation.

You will also carry out a 60-credit research project.

#### Career prospects

Statistical analysis and data mining is ranked 2nd in the Top 10 Most In-Demand Hard Skills 2018 by LinkedIn.

This programme opens up a multitude of career opportunities and/or boosts your career trajectory.

#### Why choose Glasgow?

You will obtain an MSc degree from a world-renowned university while being in full-time employment (around 10 hours of study per week).

## Environmental Statistics

**MSc:** 12 months full-time

Quantitative methods are becoming increasingly important in Environmental Sciences. This Masters will provide you with a thorough grounding in state-of-the-art statistical methods and their use in environmental applications, together with the practical experience of carrying out detailed statistical investigations. Previous study of statistics is not required.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

#### Core courses (10 credits each)

- Bayesian statistics
- Data analysis
- Environmental statistics
- Generalised linear models
- Introduction to R programming
- Preliminary mathematics for statisticians\*
- Principles of GIS
- Probability\*\*
- Regression models\*\*
- Spatial statistics
- Statistical inference\*\*
- Time series
- Topographic mapping and landscape monitoring.

\* Course is optional for students with sufficient background in Linear Algebra and Calculus.

\*\* Students who have already completed an equivalent course can substitute this course by any other optional course, including optional courses offered as part of the MRes in Advanced Statistics (see the website for details).

In your project (60 credits) you will model data collected from research in environmental science, assessed by a dissertation.

#### Career prospects

Our graduates have an excellent track record of gaining employment in many sectors, including medical research, the pharmaceutical industry, and finance and government statistical services, while others have continued to a PhD.

#### Why choose Glasgow?

- The Environmental Statistics group in Glasgow is one of the biggest groups in the UK and you will benefit from close links we have with key players such as the Environment Agency and the Scottish Environment Protection Agency (SEPA).
- The MSc in Environmental Statistics is accredited by the Royal Statistical Society (RSS).

## Mathematics / Applied Mathematics

**MSc:** 12 months full-time; 24 months part-time

The Masters in Mathematics/Applied Mathematics offers courses, taught by experts, across a wide range. Mathematics is highly developed yet continually growing, providing new insights and applications.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

You will take a mixture of Level-H courses, Level-M courses and courses delivered by the Scottish Mathematical Sciences Training Centre (SMSTC).

#### Level-H courses (10 or 20 credits)

- Algebraic and geometric topology
- Continuum mechanics and elasticity
- Differential geometry
- Fluid mechanics
- Functional analysis
- Further complex analysis
- Galois theory
- Mathematical biology
- Mathematical physics
- Numerical methods
- Number theory
- Partial differential equations
- Topics in algebra.

#### Level-M courses (20 credits)

- Advanced algebraic and geometric topology
- Advanced differential geometry and topology
- Advanced functional analysis
- Advanced methods in differential equations
- Advanced numerical methods
- Biological and physiological fluid mechanics
- Commutative algebra and algebraic geometry
- Elasticity
- Further topics in group theory
- Lie groups, Lie algebras and their representations
- Magnetohydrodynamics
- Operator algebras
- Solitons
- Special relativity and classical field theory.

#### SMSTC courses (20 credits)

- Advanced mathematical methods
- Advanced functional analysis.

#### Career prospects

Career opportunities are diverse and include academia, teaching, industry and finance.

#### Why choose Glasgow?

The school has a strong international reputation in pure and applied mathematics research, and our PGT programmes in Mathematics offer a large range of courses ranging from pure algebra and analysis to courses on mathematical biology and fluids.

## Statistics

**MSc:** 12 months full-time

This Masters will provide you with a thorough grounding in state-of-the-art statistical methods and their applications, together with the practical experience of carrying out detailed statistical investigations. Previous study of Statistics is not required.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

#### Core courses (10 credits each)

- Bayesian statistics
- Generalised linear models
- Introduction to R programming
- Preliminary mathematics for statisticians
- Probability
- Regression models
- Statistical inference.

You will also carry out a project (60 credits), assessed by a dissertation.

#### Optional courses (six chosen, but at least one course must be from Group 1)

##### Group 1

- Data analysis
- Professional skills.

##### Group 2

- Big data analytics
- Biostatistics
- Data management and analytics using SAS
- Design of experiments
- Environmental statistics
- Financial statistics
- Functional data analysis
- Machine learning
- Spatial statistics
- Statistical genetics
- Stochastic processes
- Time series.

#### Career prospects

Statistical analysis and data mining is ranked 2nd in the Top 10 Most In-Demand Hard Skills 2018 by LinkedIn.

Our graduates have an excellent track record of gaining employment in many sectors including medical research, the pharmaceutical industry, and finance and government statistical services, while others have continued to a PhD.

Graduates of this programme have gone on to work for the NHS and companies such as RBS.

#### Why choose Glasgow?

The MSc in Statistics is accredited by the Royal Statistical Society (RSS).

## Research opportunities

### Integrated PhD programme PhD: 4 years

Our PhD with Integrated Study in Mathematical Sciences is a four-year PhD programme in the School of Mathematics and Statistics.

Completion of taught Masters-level courses in the first nine months will provide you with a valuable introduction to academic topics and research methods, while providing key training in the critical evaluation of research data.

Upon successful completion of the taught component, you will progress to your research degree. You will submit a thesis to be examined by the end of your fourth year.

We also offer the following research study options:

#### PhD, MSc (Res).

Our research areas include:

- Algebra
- Analysis
- Biostatistics
- Continuum mechanics
- Environmental statistics
- Geometry and topology
- Integrable systems and mathematical physics
- Mathematical biology
- Statistical methodology.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/mathematics](http://glasgow.ac.uk/research/opportunities/subjects/mathematics) or [glasgow.ac.uk/research/opportunities/subjects/statistics](http://glasgow.ac.uk/research/opportunities/subjects/statistics)

“After my first three years at the University of Glasgow, my dream has grown from becoming an excellent mathematician, to becoming a world-changer, inspiring generations of young people to be enthusiastic about mathematics.

“Through the training courses and events organised by the graduate school, I have developed skills in science communication, which have taken my research around the world via conference presentations and social media.”

Angela

Mathematics (PhD) student

## MEDIA & CULTURAL POLICY

Media & Cultural Policy at Glasgow has excellent links with industry.

The Centre for Cultural Policy Research is internationally connected in the academic world and has close ties with policymakers, cultural agencies and the media and communications industries. Invited speakers will provide current industry insights from across the sector.

At the same time our programmes offer you an academically engaging and rewarding experience and will equip you with a critical understanding of the landscape within which cultural and creative industries operate.

Our programmes will help prepare you for a range of management careers across the media sector, including in economics, business strategy, media policy, and intellectual property rights and marketing.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

[glasgow.ac.uk/schools/cca/postgraduate/taughtdegrees](http://glasgow.ac.uk/schools/cca/postgraduate/taughtdegrees)

## Creative Industries & Cultural Policy

MSc: 12 months full-time



This programme provides an interdisciplinary grounding in the key economic, cultural and policy forces shaping the development of the creative industries at global, national and local levels. Theoretical and analytical depth is coupled with an emphasis on the realities of contemporary cultural production.

[e melanie.selfe@glasgow.ac.uk](mailto:melanie.selfe@glasgow.ac.uk)

### Programme structure

The taught element of this programme consists of six core courses and one or two optional courses of your choice. In the summer period, you will complete a research dissertation, enabling you to investigate and present a substantial and original project of personal interest. This structure allows you to develop key sector management skills and knowledge, while also providing space to tailor the programme to suit your interests and ambitions.

#### Core courses

- Creative industries and cultural policy
- Creative lives and cultural industries
- Managing innovation and creativity
- Project management
- Research methods 1 and 2.

#### Optional course/s (subject to availability)

- Business finance
- Digital transformation
- Processes of entrepreneurship and innovation
- Internationalisation of SMEs
- Intellectual property law
- Festivals
- Issues in audience management.

### Career prospects

Whether you are seeking a management role in an established organisation or plan to pursue a more entrepreneurial path, this course will equip you with a critical understanding of the landscape within which cultural and creative industries operate, and enable you to develop the analytical skills necessary for a career in this growing sector.

At the same time, the programme offers an academically engaging and rewarding experience, allowing you to embark on policy, advisory and consultancy roles or to pursue further postgraduate studies.

### Why choose Glasgow?

- You will be taught by the world-leading teams in the Centre for Cultural Policy Research and the Adam Smith Business School. Frequent invited speakers will provide current industry insights from across the sector.
- Glasgow is a culturally vibrant city, with thriving music, theatre, and visual art scenes, and has the greatest concentration of creative industries in Scotland.



## Media Management

MSc: 12 months full-time



The Masters in Media Management examines the economic, managerial, legal and cultural frameworks within which media organisations and industries operate. If you are an aspiring or existing media manager, or have a strong interest in the media sector, this programme has been designed for you. It combines advanced-level media and management-related studies with a special focus on media economics and on media and cultural policy.

[gillian.doyle@glasgow.ac.uk](mailto:gillian.doyle@glasgow.ac.uk)

### Programme structure

Media management involves taught courses, followed by an individual supervised dissertation.

The taught component involves a combination of lectures, seminars and group-work sessions as well as regular presentations from senior and experienced figures in the media industry.

### Core courses

- Managing strategic change
- Marketing management
- Media economics
- Media and cultural policy.

### Optional courses may include:

- International business strategy
- Intellectual property law
- Issues in audience management
- Human resource management
- Financial analysis
- Entrepreneurship and innovation.

### Career prospects

Course subjects will help prepare you for a range of management careers across the media sector, including in economics, business strategy, media policy, intellectual property rights and marketing.

At the same time, the programme offers an academically engaging and rewarding experience, allowing you to embark on policy advisory and consultancy roles or to pursue further postgraduate studies.

Positions held by recent graduates include manager of internal communications, product manager, press officer, broadcasting manager and creative director.

### Why choose Glasgow?

- The programme is led by an international expert in media economics. You will be taught by academics from the University's Centre for Cultural Policy Research, Business School and Law School, and experienced industry figures will give presentations.
- In recent years we have had speakers from the BBC, Channel 4, the *Financial Times*, the UK communications regulator Ofcom, MTV Europe, *The Sunday Herald*, the Press Complaints Commission and the British Film Institute.

## Research opportunities

We offer PhDs in the following research areas:

- Media policy
- Media and communication studies
- Creative and cultural industries
- Media management and media economics
- Social media and digital culture
- Media regulation and cultural policy in the UK and EU
- Television industry studies
- Media, journalism and sport
- Journalism studies
- Public relations and political communication.

We are a dedicated postgraduate research and teaching centre with a highly experienced team of postgraduate supervisors.

For more information, visit

[glasgow.ac.uk/schools/cca/research/ccpr/postgraduateopportunities/postgraduateresearch](http://glasgow.ac.uk/schools/cca/research/ccpr/postgraduateopportunities/postgraduateresearch) or visit

[glasgow.ac.uk/research/opportunities/subjects/media](http://glasgow.ac.uk/research/opportunities/subjects/media)

## MEDICINE, DENTISTRY & NURSING

The School of Medicine, Dentistry & Nursing is renowned for pioneering teaching methods and superb facilities for postgraduate study.

Our innovative transformation of medicine dates back to Joseph Lister, who introduced antiseptics while he was Regius Professor of Surgery at the University in the 1860s, and to Professor Ian Donald, who developed ultrasounds in 1958.

We continue this tradition of medical excellence and innovation today, as one of the largest and most prestigious medical schools in Europe, with world-leading clinical research across cancer and cardiovascular, infectious and inflammatory diseases.

If you study with us, you can benefit from our outstanding facilities and pioneering teaching methods, including the best in clinical experience. The interface with the NHS partners is critical to our research strategy and comprises a key element for translating basic science discoveries into clinical practice with clear societal benefits.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Advanced Lymphoedema Management

PgCert: 12 months part-time

This programme will provide the advancing healthcare professional wishing to study at postgraduate level with the opportunity to learn the theory and practice of advanced skills in the management of complex lymphoedema, including the Casley-Smith technique of Manual Lymphatic Drainage.

[mvlis-lymphoedema@glasgow.ac.uk](mailto:mvlis-lymphoedema@glasgow.ac.uk)

### Programme structure

Managing complex lymphoedema (40 credits) and Lymphoedema advanced practice (20 credits) combine to give the Postgraduate Certificate in Lymphoedema Management.

### Managing complex lymphoedema

This course provides the opportunity to learn the advanced skills and knowledge required to manage patients with complex lymphoedema. The course will equip you with the necessary theory underpinning these skills, explore the evidence base and facilitate development of decision-making skills at an advanced level. Learning of theory is consolidated with workplace and online learning to develop the skills of an advancing practitioner in this field.

### Lymphoedema advanced practice

This course gives the advancing healthcare professional, wishing to study at Masters level an opportunity to extend the skills and knowledge of the Managing complex lymphoedema course to a range of complex lymphoedema patients in the context of the most contemporary evidence and themes. The course will facilitate the application of advanced skills in more complex situations and in the context of delivering and managing a service. It will facilitate further development of skills in analysing and synthesising clinical findings and evidence for decision-making at an advanced level. Masterclasses, seminars and workshops support further development of the skills of an advancing practitioner in this field and are consolidated with workplace and online learning.

### Why choose Glasgow?

- This established programme is unique within Scotland, and is one of few such programmes worldwide, with growing international recognition.
- Our academics are world-class experts in their fields, who are active not only in clinical practice and teaching but in international research projects.

[glasgow.ac.uk/schools/medicine/postgraduate](http://glasgow.ac.uk/schools/medicine/postgraduate)

## Advanced Nursing Science

**MSc:** 12 months full-time; 24 months part-time

This Masters in Advanced Nursing Science is designed for the growing number of graduate nurses wishing to work in clinical leadership or extended roles in clinical practice as nurse practitioners or consultant nurses.

[mvls-advnursingsci@glasgow.ac.uk](mailto:mvls-advnursingsci@glasgow.ac.uk)

### Programme structure

This programme will be delivered via lectures, workshops and seminars and will utilise the virtual learning environment and video/digital education resources.

### Courses

- Informing practice through evidence base
- Research approaches in healthcare
- Applying research approaches in healthcare
- Education for professional practice
- Leadership in contemporary healthcare
- Independent project.

### Optional courses

- Acute and critical care
- Global health challenges.

### Career prospects

Virtually all of our graduates in our parallel multi-professional programme Advanced Practice in Health Care, within one year of completion, have gained promotion within their specialism. Many remain in clinical practice and become specialists and advanced practitioners in their chosen fields.

Increasingly our graduates are returning for PhD study, to further embrace the evidence-based approaches to clinical care. Many decide that education is their career destination and return to the school to gain further expertise in a teaching role, both undergraduate and postgraduate.

### Why choose Glasgow?

- The University is ranked 1st in the UK for Nursing (Complete University Guide 2019).
- Close involvement of NHS clinical staff in the planning and delivery of courses ensures that the programme is current and relevant.

## Advanced Practice in Health Care

**MSc (Med Sci):** 12 months full-time; 24 months part-time

**PgDip:** 9 months full-time; 18 months part-time

**PgCert:** 5 months full-time; 10 months part-time

This Masters in Advanced Practice in Health Care is the ideal healthcare degree, designed for the growing number of healthcare professionals wishing to work in clinical leadership or extended roles in clinical practice.

[mvls-advhealthcare@glasgow.ac.uk](mailto:mvls-advhealthcare@glasgow.ac.uk)

### Programme structure

This programme in Advanced Practice in Health Care is made up of three components: two core courses, optional courses and a project.

Each course can be taken as a standalone continuing professional development course.

### Core courses

- Research approaches in healthcare
- Applying research approaches in healthcare.

### Optional courses may include:

- Acute and critical care
- Advanced healthcare practice
- Applying research approaches in healthcare
- Education for professional practice
- Global health challenges
- Informing practice through evidence base
- Leadership in contemporary healthcare
- Leading care: putting leadership into the health and social care context
- Leading improvement in care provision
- Professional practice in spiritual and religious care in health and social care
- Providing spiritual and religious care in health and social care
- Research approaches in healthcare
- Transforming care services
- Independent project.

### Career prospects

This programme meets the demand for the preparation of both specialist and extended role practitioners. The themes offered link closely with the pre-registration undergraduate programme offered at the University as well as being developed in conjunction with local clinical need to address the growing number of healthcare professionals looking to be educated at Masters level, namely those wishing to work in clinical leadership or extended roles in clinical practice. The programme also provides a platform for students to move into the field of research.

### Why choose Glasgow?

Close involvement of NHS clinical staff in the planning and delivery of courses ensures that the programme is current and relevant.

## Child Health

**PgCert:** 12–24 months part-time

This programme in Child Health reflects the need for the NHS to deliver basic academic training in paediatrics to all trainees in Scotland, and to formally cover the Level 2 Framework of Competencies for Training in Paediatrics outlined by the accrediting body, the Royal College of Paediatrics & Child Health (RCPCH).

[mvls-childhealth@glasgow.ac.uk](mailto:mvls-childhealth@glasgow.ac.uk)

### Programme structure

The PgCert in Child Health is a mix of online and face-to-face teaching. Twenty 6-hour days of face-to-face teaching are delivered through the academic year, and these are supplemented by online lectures, formative exercises and compulsory reading. This allows a collegiate atmosphere to develop with less disruption to clinical experience. This certificate course will give the trainees 60 units of credit on completion.

The content is split into five compulsory sections:

- Public health, mental health, child protection and looked after children (LAC)
- Growth, nutrition, metabolic, gastroenterology, diabetes and endocrine
- Development, neurology and senses
- Respiratory and cardiovascular
- Infectious disease, immunology, renal, haematology, oncology, rheumatology and adolescent medicine.

A trainee must take all sections spanning a maximum of four academic years but typically over two years, although some trainees will manage to complete all sections during one academic year.

### Career prospects

Individual training programmes may be tailored to an individual's longer-term career direction; some will follow a fairly narrow sub-specialty training programme while others seek a broad-based training in general 4 paediatrics or general paediatrics with an interest in a sub-specialty. This will also provide paediatric trainees with suitable knowledge and skills to practise evidence-based medicine throughout their careers. As well as being offered more in-depth training in specific sub-specialties, the participants will be encouraged to develop skills in problem-solving, experimental design, evaluation and critical interpretation of clinical data, literature searches, and team working. The PgCert in Child Health will lay the academic foundations on which some students may wish to pursue further study.

### Why choose Glasgow?

- The Certificate in Child Health is run jointly by the University of Glasgow and NHS Education for Scotland.
- Scottish Deaneries have offered support to this programme, and will request that all paediatric trainees in their Level 2 Specialist Training complete this programme as part of their professional training.

## Clinical Genetics

**MSc (Med Sci):**

12 months full-time; 24 months part-time

The increasing impact of genetics in healthcare and the development of newer sophisticated technologies require close collaboration between research scientists, clinical laboratory scientists and clinicians to deliver a high-quality service to patients. This programme has a specific focus on delivery of the clinical service to patients including risk analysis and application of modern genetic and genomic technologies in medical genetics research and in diagnostics and population screening.

[med-sch-medgen-msc@glasgow.ac.uk](mailto:med-sch-medgen-msc@glasgow.ac.uk)

### Programme structure

#### Core courses

- Genetic disease in clinical practice
- Distress or disorder – reactions to a medical diagnosis
- Patient empowerment – supporting decisions relating to new diagnoses
- Case investigations in medical genetics
- Effective listening
- Clinical genomics
- Disease screening in populations
- Research project.

### Career prospects

This programme would be beneficial for anyone with a previous MBChB or similar degree, and would facilitate a career as a clinical geneticist.

### Why choose Glasgow?

- This is a fully up-to-date Clinical Genetics degree delivered by highly dedicated, multi-award-winning teaching and clinical staff of the University, with considerable input from hospital-based Regional Genetics Service clinicians and clinical scientists.
- The clinical genomics option will provide you with hands-on practice at accessing and filtering next-generation sequencing data on computers to identify clinically relevant variants.



## Clinical Nutrition

**MSc (Med Sci):** 12 months full-time

This Masters programme provides health professionals with specialist knowledge and training in clinical nutrition and is designed for doctors, nurses and pharmacists. You will gain an in-depth, evidence-based knowledge of clinical nutrition and have the opportunity to undertake clinical case studies.

[mvls-nutrition@glasgow.ac.uk](mailto:mvls-nutrition@glasgow.ac.uk)

### Programme structure

This programme provides health professionals with in-depth, evidence-based knowledge and training in clinical nutrition and the opportunity to undertake clinical case studies discussing the clinical and nutritional issues of patients.

### Core courses

- Food and nutrient requirements and nutrition through the lifecycle
- Digestion, absorption and nutritional metabolism
- Dietary and nutritional assessment
- Public health and eating behaviour
- Clinical nutrition specialisation
- Research proposal.

### Clinical case studies dissertation

Subject to satisfactory results, you will progress to clinical case studies supervised by relevant clinical staff. The clinical case studies provide training in evidence-based nutritional practice for health professionals. You will assess and evaluate the medical history of patients with particular reference to nutritional needs in a detailed, in-depth manner, with reference to national and international guidelines, current literature and current treatment protocols.

### Career prospects

Most of our graduates return to their clinical responsibilities once they have completed the programme. However, graduates have a thorough grounding in all aspects of nutrition as well as in their specialisation of clinical nutrition and therefore are able to enter employment in the food and health industries, public health, research, health promotion, food policy, the media and relief/development work in less developed countries. They are also well equipped to undertake and complete a PhD.

### Why choose Glasgow?

- There is a growing need for suitable qualified clinical nutritionists who are already qualified health professionals. This programme provides training in evidence-based nutritional practice for health professionals.
- You will have the opportunity to assess nutritional needs of patients and discuss the contribution of nutrition to the cause, progress and treatment of their disease and communicate the nutritional aspects of clinical care to health professionals.

## Critical Care

**MSc:** 12 months full time; 24 months part-time

**PgDip:** 6 months full-time

**PgCert:** 3 months full time

This programme enables entrants to enhance their knowledge in the field of critical care, improve research and academic writing skills, and consolidate clinical experience in a simulated environment at our state-of-the-art facilities at the Queen Elizabeth University Hospital Critical Care floor.

[mvls-critcare@glasgow.ac.uk](mailto:mvls-critcare@glasgow.ac.uk)

### Programme structure

The programme is delivered at the University of Glasgow and the Queen Elizabeth University Hospital.

The MSc in Critical Care has three components:

- Three taught courses in the first semester (3 months full-time)
- Three taught courses in the second semester (3 months full-time)
- Dissertation or project report in the summer semester (6 months full-time).

### Core courses

- Research and scientific writing skills
- Causes of multi-organ failure
- Evidence-based quality improvement
- Management of multi-organ failure
- Sepsis
- Critical care governance.

### Career prospects

This programme is open to doctors, nurses and allied health professionals and ultimately leads to a Masters degree.

The clinical components as well as the leadership qualities acquired and attained during this programme make graduates very desirable for prospective employers. The aim is for graduates to be highly effective clinical leaders in their field and place of work.

### Why choose Glasgow?

- This is the only MSc programme in Critical Care in Scotland.
- The programme is taught at the Queen Elizabeth University Hospital, which has the largest Critical Care facilities in Scotland and one of the largest in the UK.

## Endodontics

**MSc (Dent Sci):** 24 months full-time

This Masters programme is designed for dental graduates who wish to develop clinical skills in endodontics.

[mvls-endodontics@glasgow.ac.uk](mailto:mvls-endodontics@glasgow.ac.uk)

### Programme structure

You will attend lectures and seminars and take part in tutorials and preclinical skills sessions, as well as undertaking clinical sessions under direct clinical supervision.

You will take a core course consisting of basic sciences, health sciences and research sciences, and a number of clinical courses dedicated to didactic teaching, reflective learning, clinical procedures and hands-on training in endodontics.

### Clinical courses

#### Year 1

- Course 1. Biology of endodontic diseases
- Course 2. Principles and practice of root canal treatment
- Course 3. Interdisciplinary endodontics.

#### Year 2

- Course 4. Endodontic management of RCT problems and failure
- Course 5. Endodontics within the population and options for tooth replacement
- Research course. You will be encouraged to carry out a concise research project using existing facilities alongside our research themes.

Please note this course does not lead to MRD.

### Career prospects

This qualification will prepare you for a clinical academic post or clinical dental practice both in the UK and overseas. You will need to sit the Overseas Registration Examination if you wish to practise dentistry in the UK.

### Why choose Glasgow?

- You will gain a qualification which will enable you to extend your clinical diagnostic and treatment skills and you will also receive a solid grounding in research methodologies.
- You will have the opportunity to attend all postgraduate lectures in the Dental School, including lectures by external speakers and speakers from dental companies.

## Forensic Toxicology

**MSc (Med Sci):** 12 months full-time

This Masters programme is designed to provide you with an in-depth working knowledge of the principles and practice of forensic toxicology. One of the major strengths of this programme is that the course is associated with an operational ISO/IEC 17025 accredited forensic toxicology laboratory. This programme will be of particular interest to those interested in pursuing or furthering careers in forensic toxicology as court-reporting scientists, laboratory scientists or academics. This programme also enables graduates to gain experience in research before applying to a doctoral programme.

[mvls-fortox@glasgow.ac.uk](mailto:mvls-fortox@glasgow.ac.uk)

### Programme structure

#### Courses

- Principles of forensic toxicology
- Laboratory techniques in forensic toxicology
- Advanced instrumentation
- Case review and interpretation
- Research and laboratory management
- Project.

### Career prospects

This programme will prepare you for a post in a forensic toxicology laboratory both in the UK and overseas. Many of our graduates find or return to forensic work or undertake a PhD.

### Why choose Glasgow?

- This is the longest established forensic toxicology MSc in the UK and is associated with an ISO 17025 accredited laboratory.
- Glasgow is ranked 3rd in the UK for Medicine (Complete University Guide 2019).

## Genetic & Genomic Counselling (with Work Placement)

**MSc (Med Sci):** 24 months full-time

The MSc in Genetic & Genomic Counselling is designed to give you a working knowledge of the principles and practice of genetic counselling, which will qualify you to practise as a genetic and genomic counsellor. The programme will be delivered by University of Glasgow staff in collaboration with NHS staff from the West of Scotland Genetics Service, so that a current perspective on both laboratory diagnostics and clinical services will be obtained. This programme is accredited by the UK Genetic Counsellor Registration Board.

**e** [med-sch-medgen-msc@glasgow.ac.uk](mailto:med-sch-medgen-msc@glasgow.ac.uk)

### Programme structure

Component courses are as follows:

- Genetic disease in clinical practice
- Case investigations in medical genetics
- Distress or disorder: reactions to a medical diagnosis
- Patient empowerment: supporting decisions relating to new diagnoses
- Effective listening and communication skills
- Genetic counselling in clinical practice
- Social science research methods
- Community placements 1 and 2
- Genetic counselling placements 1 and 2
- Clinical genomics
- Dissertation.

### Career prospects

The programme aims to provide you with skills to work as genetic counsellors. This programme is accredited by the Genetic Counsellor Registration Board (GCRB), producing graduates who are eligible for entry as a trainee genetic counsellor.

### Why choose Glasgow?

- Genetic counselling placements in at least two different Genetics Centres will enable you to obtain a broader view of clinical practice, and there will also be opportunity to engage with patient support groups.
- A key strength of this fully up-to-date programme is that it is delivered by highly dedicated, multi-award-winning teaching and clinical staff of the University, and by registered genetic counsellors and clinical and laboratory staff from the West of Scotland Genetics Service.

## Healthcare Chaplaincy

**PgCert:** 12 or 24 months part-time

This programme is the culmination of work to develop healthcare chaplaincy as a profession. It is available to healthcare chaplains and graduates considering healthcare chaplaincy as a profession. Applicants who are considering entering healthcare chaplaincy will also have to satisfy the eligibility criteria for registration with the UK Board of Healthcare Chaplaincy. The University of Glasgow has no locus in this decision.

**e** [mvls-healthcarechaplaincy@glasgow.ac.uk](mailto:mvls-healthcarechaplaincy@glasgow.ac.uk)

### Programme structure

The programme is designed as a part-time programme of study days and distance learning to enable working chaplains to study and gain a professional qualification.

### Core courses

- Providing spiritual and religious care in health and social care
- Professional practice in spiritual and religious care in health and social care.

Applicants who do not meet the eligibility criteria for registration with the UK Board of Health Care Chaplaincy can exit with a certificate in Advanced Healthcare Practice.

### Why choose Glasgow?

Completion of this programme enables chaplains to evidence the Spiritual and Religious Care Capabilities and Competences for Healthcare Chaplains and to demonstrate fitness to practise as a Healthcare Chaplain and so become Board Registered.

## Health-Professions Education / Health-Professions Education (with Research) (online)

**MSc:** 36 months part-time

**MSc (with Research):** 36 months part-time

**PgDip:** 24 months part-time

**PgCert:** 12 months part-time

This programme is designed for those who primarily identify themselves as practitioners and who want to apply educational theory and an evidence base to their specific health professions education context. The MSc is appropriate for those with a particular interest in learning about the design, conduct and governance of education research.

**e** [mvls-hpe@glasgow.ac.uk](mailto:mvls-hpe@glasgow.ac.uk)

### Programme structure

#### Year 1

- Learning in health professions
- Teaching in health professions
- Assessment in health professions.

#### Year 2

Each semester you will choose two courses from three options:

#### Semester 1

- Teaching and assessment of clinical skills
- Curriculum approaches and design
- Evidence in education research.

#### Semester 2

- Simulation in health professions
- Evaluation of courses and curricula
- Designing education research.

#### Semester 3

- Managing the health professions curriculum
- Leadership in health professions education
- Governance and ethics in education research.

#### Year 3

- Dissertation in Health Professions Education
- Dissertation in Health Professions Education (with research).

### Career prospects

The PgCert is suitable for UK medical doctors who are "named trainers", and also for educators from across the health professions, in different global contexts.

The PgDip offers a chance to develop specialist knowledge in teaching and assessment of clinical skills, curriculum design, evaluation, simulation, management and/or leadership.

The MSc is appropriate for healthcare professionals who are ambitious for an influential role in the management and delivery of education in either undergraduate or postgraduate phases.

### Why choose Glasgow?

The University of Glasgow is ranked 3rd in the UK for Medicine (Complete University Guide 2019).

## Human Nutrition

**MSc (Med Sci):** 12 months full-time

**PgDip:** 9 months full-time

Nutritional science is a subject of growing importance in many aspects of healthcare, lifestyle and industry. This programme, established since 1994 and accredited by the Association for Nutrition (AfN), provides you with an expert evidence-based approach to Human Nutrition, integrating teaching on basic sciences, clinical practice and public health applications.

**e** [mvls-nutrition@glasgow.ac.uk](mailto:mvls-nutrition@glasgow.ac.uk)

### Programme structure

The programme provides a thorough grounding in the principles, practice and research of human nutrition and the opportunity to follow a successful career in the UK or overseas. You will have the knowledge and experience necessary for engaging in and contributing to current issues in the field of human nutrition. An additional research component allows the development of valuable skills for practising and interpreting nutrition research.

### Core courses

- Food and nutrient requirements and nutrition through the lifecycle
- Digestion, absorption and nutritional metabolism
- Dietary and nutritional assessment
- Public health and eating behaviour
- Research proposal.

### Specialisation courses

One from the following:

- Public health nutrition
- Clinical nutrition
- Obesity and weight management
- Sports and exercise nutrition.

### Career prospects

Graduates are well placed for a variety of employment opportunities in the food and health industries, public health, research, health promotion, food policy, the media and relief/development work in less developed countries. There is an expanding role for high-quality nutritionists in all these sectors. The programme is intended to meet this demand. This course provides a sound basis from which to apply for employment in advisory positions in industry or government agencies, to undertake professional training in dietetics, or for further doctoral-level research training for academic or teaching careers.

### Why choose Glasgow?

- You will explore how our choices of foods affect the biochemical and physiological functions of cells and organs, and how our diets influence physical, mental and social health.
- This MSc is unique in the UK in providing four different specialisation areas – Public Health Nutrition, Clinical Nutrition, Obesity & Weight Management and Sports & Exercise Nutrition.



## Leadership in Health & Social Care (online)

**PgCert Online Distance Learning:**  
10 months part-time

This programme is delivered online and you will be required to attend the University of Glasgow for one full day for each 20-credit course.

Recent government and NHS reports highlight the importance of effective leadership in ensuring that health and social care is delivered to the highest standard. This programme is aimed at professionals in health and social care wishing to develop skills in leadership. You will be encouraged to think critically about health and social care provision with a key focus on leadership, management and the economic landscape.

**e mvlis-leadingcare@glasgow.ac.uk**

### Programme structure

The PG certificate in Leadership in Health & Social Care consists of three 20-credit modules. These courses are aligned with the MSc (Med Sci) in Advanced Practice in Health Care and can be added to other courses to complete a Masters degree.

### Career prospects

This programme meets the need to prepare professionals in both health and social care to take on leadership roles within the health and social care environment. This has now been identified as a key to the provision of high-quality health and social care. The course content affords an opportunity for participants to develop new skills in leadership and enhance existing skills. The course offers a unique opportunity to develop skills in economic costing that can lead to improved service delivery.

The involvement of leaders, both in the planning and delivery, from a variety of settings including NHS and Scottish Government ensures that the programme is current and relevant.

### Why choose Glasgow?

- This programme will provide you with opportunities to develop and demonstrate knowledge and understanding, expertise in critical appraisal, and the ability to lead and innovate in your area of practice.
- The programme reflects the need for professionals in health and social care to develop leadership skills in a dynamic environment to ensure quality care delivery.

## Medical Genetics & Genomics

**MSc (Med Sci):** 12 months full-time  
(24 months part-time by special arrangement)

This innovative programme covers an exciting scientific field with rapidly growing impact at the forefront of many medical specialties. In this UK-award-winning MSc, a coordinated team of active research scientists, clinicians, clinical laboratory scientists and interactive lecturers together provide in-depth teaching on cutting-edge medical genetic and genomic concepts and technologies. These are of increasing importance in research, laboratory diagnostics, clinical practice and population screening in the UK and overseas.

**e med-sch-medgen-msc@glasgow.ac.uk**

### Programme structure

#### Core courses

- Genetic disease: from the laboratory to the clinic
- Case investigations in medical genetics
- Disease screening in populations
- SNP assay design and validation
- Research project.

#### Optional courses may include:

- Clinical genomics
- Omic technologies for the biomedical sciences: from genomics to metabolomics
- Frontiers in cancer science.

### Career prospects

This MSc is recognised internationally with over 800 previous graduates now working in, or leading, research laboratories, clinical services and diagnostic laboratories, in the UK or overseas.

Research: About half of our graduates enter research in a variety of biomolecular disciplines, frequently undertaking PhDs.

Diagnostics: Some of our graduates enter careers with clinical genetic diagnostic services, applying molecular and cytogenetic technologies to identification of pathogenic variants in patients.

Clinical genetics: Those of our graduates with a prior medical/nursing training often utilise their new skills in careers as clinical geneticists or genetic counsellors.

### Why choose Glasgow?

- This is a fully up-to-date Medical Genetics degree delivered by highly dedicated, multi-award-winning teaching and clinical staff of the University, with considerable input from hospital-based Regional Genetics Service clinicians and clinical scientists.
- The Clinical Genomics option will provide you with hands-on practice at accessing and filtering next-generation sequencing data on computers to identify clinically relevant variants.

## Medical Physics

**MSc:** 12 months full-time

This taught Masters is designed to provide you with an advanced programme of study in Medical Physics. It provides an understanding of the application of physics and technology to a range of disciplines within medical physics at a level appropriate for a professional physicist. We have expertise in traditional areas like ionising radiation, but also specialist sections in PET Scanning, Ophthalmology, Urology, Informatics and leading researchers in MRI.

**e mvlis-medphys@glasgow.ac.uk**

### Programme structure

You will attend lectures, seminars and tutorials, take part in e-learning and undertake a research project.

#### Core courses

- Radiation physics
- Anatomy and physiology
- Statistics and experimental techniques
- Medical imaging physics
- Programming
- Scientific management
- Clinical medical imaging
- Radiotherapy
- Clinical measurement
- Research dissertation.

#### Optional courses may include:

- Advanced data analysis
- Problem solving.

### Career prospects

Career opportunities include positions in the NHS, private healthcare and equipment manufacturers. This is the course followed by the NHS trainees in Scotland, and so it is highly attuned to preparing the successful student for employment.

### Why choose Glasgow?

- A key strength of this programme is that you will be taught mostly by physicists working in the NHS. It will equip you for employment in a clinical environment.
- Due to the large size of the NHS medical physics subject area at Glasgow, all mainstream areas of medical physics are covered along with some specialised fields.

## Molecular Pathology

**MSc:** 36 months part-time  
**PgDip:** 24 months part-time  
**PgCert:** 12 months part-time

Laboratory medicine is facing a challenging era of transforming landscape. For the benefits to patient care, Molecular Pathology aims to use the best of molecular knowledge, obtained by the high-impact innovations made in genetics and informatics. With a vision of creating the next generation of leaders, this programme will provide state-of-the-art training in Molecular Pathology, for pathologists, clinical scientists and those in related health professions.

**e mvlis-molpath@glasgow.ac.uk**

### Programme structure

The programme will be delivered using a combination of our online learning platform (Moodle) and on-campus tutorials to reinforce learning. The blended learning approach offers the maximum flexibility for those who wish to study Molecular Pathology while on clinical duties and pathology training. With many case studies and hands-on sessions, it is easy to engage and keep motivated throughout the programme.

#### Core courses (three compulsory, 20-credit courses; one each semester)

- Fundamentals of molecular biology and genetics for histopathology
- Molecular tests and techniques for histopathology
- Multidisciplinary approaches to molecular pathology.

The core courses (PgCert) are designed to cover the intended learning outcomes within the Royal College of Pathologists curriculum for Specialty Training in Histopathology.

#### Advanced courses (60 credits in total)

Choose from optional courses (sample selection below):

- Biomarkers for precision medicine
- Designing a research project
- Drug discovery and clinical trials for molecular pathology
- Introduction to statistical methods.

Successful completion of core and advanced courses will lead to the award of PgDip.

#### Dissertation (60-credit research project)

Successful completion of all core and advanced courses and the dissertation will lead to the award of MSc.

### Why choose Glasgow?

- We are one of the few centres where molecular and diagnostic histopathology are amalgamated on one site, maximising the clinical relevance.
- You will be trained at the Queen Elizabeth University Hospital, which provides services to 52% of the Scottish population and is home to one of the largest pathology departments in Europe.

## Oral & Maxillofacial Surgery

**MSc (Dent Sci):** 24 months full-time

This Masters programme is designed for dental graduates who wish to develop clinical and research skills in oral and maxillofacial surgery. It will provide you with a qualification which will enable you to extend your clinical diagnostic and treatment skills to a higher level. It will also provide you with a solid grounding in research methodologies.

[mvls-oralmaxillofacial@glasgow.ac.uk](mailto:mvls-oralmaxillofacial@glasgow.ac.uk)

### Programme structure

You will take a core course consisting of basic sciences, health sciences and research sciences.

The clinical component is dedicated to didactic teaching, reflective learning, clinical procedures and hands-on training in oral surgery.

### Clinical courses

- Dentoalveolar surgery
- Oro-facial infections
- Oral pathology
- Local anaesthesia, general anaesthesia, sedation
- Maxillofacial trauma
- Dentofacial deformities
- Cleft and craniofacial deformities
- Temporomandibular disorders
- Head and neck surgery
- Oral medicine.

### Research component

You will be encouraged to carry out a concise research project using existing facilities alongside our well-established research themes.

### Career prospects

Graduates are able to apply for senior house officer posts in the UK, or join a higher research programme leading to PhD qualification.

### Why choose Glasgow?

- You will have access to patients and opportunities to carry out oral surgical procedures under supervision.
- The University is well recognised as a centre of excellence for research in the fields of 3D imaging, bone bioengineering and orthognathic surgery.

## Oral Sciences

**MSc:** 12 months full-time

This programme will be of particular interest to those interested in pursuing or furthering careers in oral and dental related occupations, as well as laboratory scientists or academics.

[mvls-oralsci@glasgow.ac.uk](mailto:mvls-oralsci@glasgow.ac.uk)

### Programme structure

#### Core and optional courses

- Statistics 1
- Evidence-based medicine
- Translational medical research approaches
- Medical research and ethics
- Principles and critical interpretation of laboratory methodologies
- Research methods
- Research dissertation.

#### Optional

- Microbes in medicine
- Translational immunology
- Pathogenesis in oral disease
- Decontamination and infection control.

### Career prospects

Graduates are well-placed for a variety of employment opportunities in the oral and dental industries, as well as the biomedical science sectors. This course provides a sound basis from which to apply for employment in laboratory positions in industry or in academia, or to continue professional training in dentistry and oral hygiene, or for further doctoral-level research training for academic or teaching careers.

Recent graduates have found employment as clinical research scientists and senior clinical scientists for companies such as NHS and GlaxoSmithKline. Assistant and associate professors and postdoctoral research fellows at universities in Scotland and overseas.

### Why choose Glasgow?

- Our staff are internationally experienced researchers and academics with both clinical and science backgrounds and are experts in biofilm infections, oral inflammation and infection control.
- There is a long tradition of excellence in Oral Sciences at the University of Glasgow, with pioneering research by MacFarlane, Samaranayake and Bagg, and other current Glasgow academics continuing to make important contributions to the field of Oral Sciences.

## Orthodontics

**DClinDent:** 36 months full-time

This taught doctorate provides training for graduates in orthodontics. It produces good clinicians but also good scientists, promoting high-quality clinical, academic and research standards within a supportive environment, making it an ideal place for studying orthodontics.

[mvls-dclindent@glasgow.ac.uk](mailto:mvls-dclindent@glasgow.ac.uk)

### Programme structure

The programme is full-time (46 weeks per year) over three years. About half of the time is spent on clinical placement, with the rest divided between academic coursework, research work and personal study.

All courses are compulsory.

#### Year 1

- Core course
- Basic orthodontic science
- Aetiology of malocclusion
- Orthodontic assessment.

#### Year 2

- Classification of malocclusion
- Orthodontic technique
- Risks of orthodontic treatment.

#### Year 3

- Multidisciplinary care
- Research practice.

### Why choose Glasgow?

- Alongside high-level clinical skills, you will gain high-quality research skills that support clinical and research practice when studying this orthodontics degree.
- You will be eligible to sit for the Membership in Orthodontics (MOrth) at the Royal College of Surgeons of Edinburgh.

## Sports Nutrition

**PgCert:** 4 months full-time (mid-January to mid-May)

This programme, one of only a few short programmes offered in sports nutrition, will extend your knowledge and skills in sports and exercise nutrition, and basic sports science or nutritional and dietary assessment.

[mvls-sportsnutrition@glasgow.ac.uk](mailto:mvls-sportsnutrition@glasgow.ac.uk)

### Programme structure

This programme is comprised of two courses.

It also provides you with an opportunity to present a critical in-depth review of a specialised area of the nutritional literature.

### Core courses

- Introduction to sports and exercise science for nutritionists
- Sports and exercise nutrition
- Nutrition in-depth review.

### Why choose Glasgow?

If you are a nutritionist or have a good background in nutrition and/or dietetics and want to extend your knowledge and skills in this area – this programme is designed for you.



## Research opportunities

We offer opportunities for both clinical (MD/ PhD/MSc) and non-clinical (PhD/MSc) research in a number of areas. We aim to facilitate interdisciplinary research in a number of themed areas of basic science, translational and clinical research programmes including:

- Dentistry (community oral health and oral sciences)
- Forensic medicine and science
- Medical and surgical sciences
- Nursing and health sciences
- Nutrition.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/schools/medicine/pgr](http://glasgow.ac.uk/schools/medicine/pgr)

## MODERN LANGUAGES & TRANSLATION STUDIES

Modern Languages & Translation Studies brings together expertise allowing you to think and communicate across cultures.

We have around 40 academic staff who are experts in a broad range of fields, and native language teachers in all subject areas. The school hosts a large number of research seminars featuring both academics from Glasgow and distinguished international visiting speakers.

The school's teaching is supported by the excellent resources in the dedicated language library. Some 10,000 items are currently available in over 60 languages, at levels from beginner to advanced, including language materials for professionals, such as those in engineering and law.

Our students go on into the workplace well prepared to work in an international environment or as preparation for further study in a wide range of related fields.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Comparative Literature

MLitt: 12 months full-time; 24 months part-time

The Masters in Comparative Literature offers interdisciplinary study across linguistic cultures as well as academic fields.

 [laura.martin@glasgow.ac.uk](mailto:laura.martin@glasgow.ac.uk)

### Programme structure

You will take two core courses (Introduction to comparative literature and Comparative literature in practice), a selection of optional courses, and an independent research project (dissertation), which provides an opportunity for you to identify an area of interest for an in-depth critical exploration.

The wide offering of options from within the school as well as across the college enables you to create your own interdisciplinary Masters programme according to personal interests. These include: Literature, Gender, History, Visual Culture, Film, Creative Writing, Translation Studies, Languages, and more. The programme convener will work with you to construct a portfolio of courses according to your personal aims and objectives.

Teaching is almost entirely in small-group seminars, with student assessment based on presentations, essays and individual research diaries, or on language work in language classes.

### Career prospects

Employers welcome our graduates' abilities to 'think outside the box' in relation to cultures other than their own, as well as their ability to communicate in oral and written form in a logical, coherent, articulate and creative way.

Our graduates go into the workplace well prepared to work in an international environment, as well as in any field requiring sophisticated communication skills. Common careers include publishing, editing, creative industries and teaching.

The programme also provides an excellent preparation for further study in the fields of Comparative Literature and Modern Languages and Cultures.

### Why choose Glasgow?

- The school provides a wide range of languages, with a total of nine European languages from Western, Central and Eastern Europe (Catalan, Czech, French, German, Italian, Polish, Portuguese, Russian and Spanish) as well as Chinese (Mandarin).
- The programme is suitable whether or not you already have knowledge of one or more foreign languages; you may follow it entirely in English translation, or make use of your linguistic skills in our areas of expertise.

[glasgow.ac.uk/schools/mlc/postgraduatestudy/postgraduate](http://glasgow.ac.uk/schools/mlc/postgraduatestudy/postgraduate)

## Translation Studies

**MSc:** 12 months full-time; 24 months part-time

**PgDip:** 9 months full-time

**PgCert:** 4 months full-time

The MSc in Translation Studies caters to the increasing need for highly skilled and specialist translators across a wide range of industries and settings. It provides an excellent platform to become a professional translator as well as to progress to doctoral level.

 [tiina.tuominen@glasgow.ac.uk](mailto:tiina.tuominen@glasgow.ac.uk)

### Programme structure

#### Core courses

- Translation studies in theory and practice
- Approaches to translation and the professional environment
- Advanced translation and language study (translation between English and at least one other language).

#### Optional courses may include:

- Marketing and translation across media
- Literary translation
- Subtitling film and TV
- Additional advanced translation and language study courses
- Additional language study at beginner, non-beginner, intermediate or advanced level
- Relevant undergraduate Honours courses.

#### Career prospects

You will develop the skills required to work in the industry and gain essential information about setting up as a freelance translator or working for a translation agency.

The advanced language and communication skills you will acquire are also relevant to a variety of other careers. These include:

- Marketing and public relations
- Careers in writing, including publishing or journalism
- Language teaching
- International commerce
- Government work
- The creative industries.

Graduates have taken up posts in translation agencies in the UK and overseas and work as freelance translators or for translation software companies. Others have moved into language-related careers in teaching, publishing and global commercial organisations or have gone on to study for a PhD.

#### Why choose Glasgow?

- The programme balances translation studies theory with practical translation work, offering you the unique opportunity to develop both academic and professional skills, to prepare for the profession, or to progress to PhD level.
- You will receive training in SDL Trados translation software and hence can complete the MSc with SDL Trados certification.

## Research opportunities

We offer the following research study options:

**PhD, MPhil, MLitt, MRes.**

Our research areas include:

- Catalan
- Czech
- French
- German
- Italian
- Mandarin
- Polish
- Portuguese
- Russian
- Spanish.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/schools/mlc/research/postgraduate](http://glasgow.ac.uk/schools/mlc/research/postgraduate)

## MOLECULAR, CELL & SYSTEMS BIOLOGY

Molecular, Cell & Systems Biology at Glasgow houses a multidisciplinary centre of excellence conducting fundamental and translational life science research underpinning health and food security.

Our strengths include:

- Molecular genetics
- Plant science
- Protein structure and regulation
- Molecular pharmacology
- Cell engineering
- Synthetic biology
- Biological systems.

Our facilities include a protein characterisation facility which allows the study of protein structure, function stability and interactions with other macromolecules in solution as well as facilities for cell biology.

We are supported by a world-class technological base. This includes next-generation sequencing, microarrays, proteomics and metabolomics through the Sir Henry Wellcome Functional Genomics Facility and the Scottish National Centre for Metabolomics.

We provide excellent graduate training both at Masters and PhD level. Our three taught Masters programmes allow our students to work closely with members of staff carrying out internationally recognised research in their chosen field.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

[glasgow.ac.uk/subjects/mcsb/postgraduate](http://glasgow.ac.uk/subjects/mcsb/postgraduate)

## Biotechnology

**MSc:** 12 months full-time

This Masters in Biotechnology programme provides you with an advanced practical knowledge of biotechnology and molecular genetic technologies underpinning modern biotechnology and how they can be applied to solve real-world problems. The programme offers training in a broad range of topics including environmental biotechnology, synthetic biology, plant engineering, stem cell therapies and vaccine development.

 [mvl-biotech@glasgow.ac.uk](mailto:mvl-biotech@glasgow.ac.uk)

### Programme structure

The programme is made up of teaching modules and an independent research project. Each taught module explores different aspects of biotechnology, while the project allows you to specialise the degree through a chosen field of research. The aims of the programme are:

- to enable you to study a wide range of biotechnology topics in depth
- to allow you to benefit from leading-edge research-led teaching
- to enhance your conceptual, analytical and practical skills and to apply them to biotechnology problems
- to prepare you for leading positions in the biotechnology industry or entry into a PhD programme.

#### Career prospects

This programme will prepare you for entry into a PhD programme or a research career in the pharmaceutical or biotechnology industrial sectors.

#### Why choose Glasgow?

- If you wish to improve your knowledge of modern molecular, biochemical, cell biological and genetic techniques for biotechnological applications, this programme is designed for you.
- You will learn practical skills to enable you to become a researcher in the field of Biotechnology and gain an understanding of the nature of bioscience-based business through innovation, marketing and technology transfer.



## Biotechnology & Management

**MSc:** 12 months full-time

**PgDip:** 9 months full-time

This programme offers an expansion of our MSc in Biotechnology programme into business management and industrial biotechnology. Run jointly with the Adam Smith Business School, this programme will provide a high level of education in both disciplines.

[e mvls-biotechmgt@glasgow.ac.uk](mailto:mvls-biotechmgt@glasgow.ac.uk)

### Programme structure

You will gain a sound understanding of business through the professional pathways programme run by the Adam Smith Business School, which will cover:

- Contemporary issues in human resource management
- Managing creativity and innovation
- Managing innovative change
- Marketing management
- Operations management
- Project management.

You will be taught cutting-edge biotechnology applications and undergo practical training in synthetic biotechnology, biochemical engineering and advanced polyomic technologies.

To complete your degree you will have the opportunity to undertake a flexible independent research project which can be completed as a business analysis, data evaluation or lab-based project.

### Career prospects

This programme will prepare you for a variety of careers in the pharmaceutical or biotechnology industrial sectors, both lab- and office-based. It will also prepare you for entry into industrial or academic PhD programmes.

### Why choose Glasgow?

- If you wish to improve your knowledge of modern biotechnological applications and their industrial applications through business management, this programme is designed for you.
- You will gain a sound understanding of the nature of business based on bioscience knowledge and research, opportunities for innovation and regulatory requirement constraints, intellectual property and ethical issues.

## Food Security

**MSc:** 12 months full-time

In this century, food security and the need to develop sustainable agriculture will become dominant issues affecting the whole world. The global population is projected to increase dramatically from 7 to 9 billion in the next 30 years, causing an unprecedented demand for food and increased pressure on land. The aim of this Food Security Masters is to provide you with knowledge and skills relating to the broad topic of food security, incorporating socio-economic, animal and crop aspects.

[e mvls-foodsecurity@glasgow.ac.uk](mailto:mvls-foodsecurity@glasgow.ac.uk)

### Programme structure

The programme consists of three compulsory courses, up to six optional courses selected from those available, and a project.

#### Core courses

- Introduction to food security
- Food security fundamentals: food of animal origin
- Food security fundamentals: crops.

#### Optional courses may include:

- Role of insects in food security
- Molecular lab skills
- Global animal production
- Hygienic production of food
- Animal ethics
- Omic technologies
- Policies for sustainability and development
- Quantitative methods
- Plant genetic engineering
- Crop biotechnology applications
- Technology transfer and commercialisation.

### Career prospects

Food security is a major challenge of this century and hence there will be opportunities to develop careers in several areas. Career prospects include working in agri-industry, research institutes, and government advisory, international advisory, media and research positions.

The breadth of knowledge, understanding and skills you will acquire in this Masters programme will help you obtain employment or undertake research in the food security sector.

### Why choose Glasgow?

- The Food Security MSc is taught through collaboration between academics with world-class expertise in diverse aspects of food security.
- It discusses the demographic, social and economic issues and the challenges of achieving sustainable agriculture and presents the factors affecting food production from crops and animal sources.

## Stem Cell Engineering for Regenerative Medicine

**MSc:** 12 months full-time

It is widely acknowledged that there is a skills shortage within the industrial life sciences sector. The UK and further afield hosts a rapidly growing regenerative medicine sector with major centres focused on production of cellular and acellular therapies and a growth of clinical trialling. Our aim is to train a new generation of researchers with expertise in stem cell culture, engineering, regulation and translation in the regenerative medicine space. Our MSc will address unmet skills shortages in interdisciplinary sciences, with a focus on stem cells.

[e mvls-stemcellforregmed@glasgow.ac.uk](mailto:mvls-stemcellforregmed@glasgow.ac.uk)

### Programme structure

The MSc comprises three semesters; the first two involve several taught courses (via lectures, tutorials, practical sessions and seminars), and during the final semester students undertake a research project.

#### Core courses

- Molecular research skills
- Stem cell science and engineering microenvironments for regenerative medicine
- Biophysics of cells and systems
- Nanofabrication
- Scaffolds and tissues
- Current trends and challenges in biomedical research and health
- Designing a research project: biomedical research methodology.

#### Optional courses may include:

- Bio-imaging for research scientists
- Omic analyses for the biomedical sciences: form genomics to metabolomics.

### Career prospects

Following completion, graduates will be equipped with the skills to progress with a career in stem cell engineering and regenerative medicine directly through a variety of means such as regulation (eg MHRA, SNBTS, CGTC), industry (eg regenerative medicine, pharma, toxicology), academia, patenting and IP, local government (governance and law) and science writing, or through further research training via a PhD.

### Why choose Glasgow?

- MSc training is delivered under the supervision of world-leading researchers, including Professors Mathew Dalby and Manuel Salmeron-Sanchez and Drs Catherine Berry, Mathis Riehle and Cristina Gonzalez, under the newly formed Centre for the Cellular Microenvironment at Glasgow.
- The new Centre will be located within the Research Hub (opening 2020) where we will engage with the theme Technologies Touching Life. This brand new facility will incorporate polyomics, microscopy, materials processing and cell culture under one roof.

## Research opportunities

Our research areas include:

- Molecular genetics
- Plant science
- Protein structure and regulation
- Molecular pharmacology
- Cell engineering
- Synthetic biology
- Biological systems.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit: [glasgow.ac.uk/researchinstitutes/biology/research](http://glasgow.ac.uk/researchinstitutes/biology/research)

# MUSIC


The University of Glasgow hosts Scotland's leading centre for music research.

Based in the UK's first UNESCO City of Music, our world-class expertise includes specialist knowledge in:

- Historical and cultural musicology
- Popular music and the music industries
- Performance and performance studies
- Composition
- Sound design, audiovisual practices and music technology.

We offer a wide range of degree programmes that will suit you whether you are seeking a career in the music industry or arts and cultural sector, or if you are interested in the links music has with contemporary culture, history, creativity and the digital world.

By studying with us, you will benefit from opportunities to take work placements within Glasgow's legendary music scene, learn from award-winning professional musicians and musical scholars, and get the chance to pursue your musical interests through researching, performing, composing and exploring musical technology.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Composition & Creative Practice

**MMus:** 12 months full-time; 24 months part-time

This programme is designed to enable you to develop your compositional practice in a dynamic, rigorous and supportive creative environment. It aims to provide you with training in a range of approaches, introducing tools and techniques relevant to today's music making, and encouraging exploration, innovation and experimentation.

 [drew.hammond@glasgow.ac.uk](mailto:drew.hammond@glasgow.ac.uk)

### Programme structure

The programme is comprised of the following core courses:

- Composition
- Digital and creative skills
- Individual creative practice
- Composition portfolio.

You can also tailor your own structure with optional courses.

### Optional courses may include:

- Creating with technology
- Historically informed performance practice
- Introduction to popular music
- Sonic art aesthetics and criticism
- Music, sound and screen.

There will also be opportunities to engage with interdisciplinary study, with courses available from other subjects within the school:

- Creative industries and cultural policy (Centre for Cultural Policy Research)
- Festivals (Film & Television Studies)
- Making time: performing and thinking temporalities in the creative arts (History of Art).

Over the summer months you will complete the core Composition portfolio, to be submitted at the end of August.

### Career prospects

This programme will prepare you for a career in composition as well as equipping you more generally with skills necessary for a career in the cultural industries (eg arts administration and management). Additionally, this programme provides the necessary foundation for pursuing further research in composition in the form of a PhD.

### Why choose Glasgow?

- We offer the opportunity to have your work performed by a professional ensemble, including an annual showcase of postgraduate work, SoundThought.
- Our facilities include a concert hall, three studios, an audio lab and practice rooms.

## Historically Informed Performance Practice (in conjunction with the Royal Conservatoire of Scotland)

**MMus:** 12 months full-time; 24 months part-time

This Masters will provide you with opportunities to develop insight and experience in historical performance practice of music. The MMus, taught jointly with the Royal Conservatoire of Scotland, combines vocal or instrumental study with performance-related academic research and an element of apprenticeship with professional ensembles.

 [john.butt@glasgow.ac.uk](mailto:john.butt@glasgow.ac.uk)

### Programme structure

Two routes are available: one weighted towards performance, the other towards musicological enquiry.

### Core courses include:

- Two series of seminars in historically informed performance practice
- Practical presentation
- Practical portfolio
- Dissertation
- Assessed performance recital.

You will have the opportunity to undertake workshops, rehearsals and potentially performances in collaboration with leading ensembles such as the Dunedin Consort and Concerto Caledonia; as UNESCO City of Music, Glasgow offers enormous opportunities to become involved with music making at a professional level. There is ample opportunity for ensemble playing, leading to the development of valuable musical team working and interpersonal skills.

### Career prospects

Our degree programmes open up opportunities to access or advance careers in the creative industries, whether working as a professional composer or musician, in the music industry for a record company, management company or promoter, or in the media industry. Some graduates have combined their degrees with other studies to pursue careers in areas such as law and education.

### Why choose Glasgow?

- We offer the unique opportunity to study alongside world-class performer-scholars, and to work within both the University and the Conservatoire environment.
- The UK's first UNESCO City of Music, Glasgow is home to the BBC Scottish Symphony Orchestra, the Royal Scottish National Orchestra, Scottish Opera and National Theatre of Scotland.

## Music Industries

**MLitt:** 12 months full-time; 24 months part-time

This multidisciplinary programme gives students the unique opportunity to develop critical understandings of the music industries and popular music as well as gaining practical experience in the field.

 [cca-pgcomm@glasgow.ac.uk](mailto:cca-pgcomm@glasgow.ac.uk)

### Programme structure

The Music Industries programme aims to introduce and develop critical analysis of the music industries and popular music at postgraduate level and is located within the broader academic area of Popular Music Studies. This is a relatively new area of academic enquiry which draws on a range of disciplines including Sociology, Cultural Studies, Musicology, History and Politics. It is inherently multidisciplinary and a range of academic approaches will be adopted throughout. This will provide students with the knowledge and skills necessary to critically analyse the role of popular music and its attendant industries both historically and in contemporary society.

The programme includes an individually tailored research project which has been designed to give experience of working with musicians or within the music industries. Previously, these have included placements with record and management companies, clubs and venues, concert promoters, digital distributors and trade organisations.

### Career prospects

The programme opens opportunities to enter and develop your career or business in the music (or related media and creative) industries. Graduates have combined the degree with other studies to pursue careers in areas such as law, arts management and education.

Recent graduates have gone on to work with companies such as PRS/ICE Services, Ferocious Management and BBC Studios. Others are self-employed artists and music entrepreneurs.

### Why choose Glasgow?

- Our approach is multidisciplinary: we employ a variety of academic approaches and draw upon the University's expertise in a range of disciplines including sociology, cultural studies, musicology and politics.
- You will be studying in the City of Glasgow with its vibrant and exciting music scene – the UK's first UNESCO city of music. There is access to a range of theorists and practitioners from within both academia and the music industry.



## Musicology

**MMus:** 12 months full-time; 24 months part-time

This programme provides you with intensive study in current trends in Musicology at an advanced level. It combines a broad base in musicological research, including theoretical and methodological approaches from the historiography, analysis, sociology and cultural and critical study of music.

 [david.code@glasgow.ac.uk](mailto:david.code@glasgow.ac.uk)

### Programme structure

The programme is comprised of four core courses:

- Research skills and digital musicology
- Introduction to musicology
- Current issues in musicology
- Dissertation in musicology.

These courses will provide you with a firm basis in the current research and methods in musicology. These are complemented by a range of options to allow you to pursue your own specialised interests.

### Optional courses may include:

- Historically informed performance practice
- Introduction to popular music
- Sonic arts aesthetics and criticism
- Music, sound and screen.

There will also be opportunities to engage with interdisciplinary study, with courses available from other subjects within the school:

- Festivals
- Making time: performing and thinking temporalities in the creative arts.

Core teaching will be delivered during semesters 1 and 2. Over the summer months you will complete the dissertation, to be submitted at the end of August.

You have the opportunity to take a placement in a music or arts organisation (subject to availability).

### Career prospects

This programme will prepare you for a career in the music and creative industries as well as related fields, such as the media and broadcasting. Additionally, this programme provides the necessary foundation for pursuing further research in musicology in the form of a PhD.

### Why choose Glasgow?

- We offer the unique opportunity to study alongside world-class performer-scholars, and to work within both the University and the Conservatoire environment.
- The UK's first UNESCO City of Music, Glasgow is home to the BBC Scottish Symphony Orchestra, the Royal Scottish National Orchestra, Scottish Opera and National Theatre of Scotland.

## Sound Design & Audiovisual Practice

**MSc:** 12 months full-time; 24 months part-time

This programme provides advanced training in creative practice with sound and audiovisual technologies. The programme offers topics relevant to practising musicians, artists, and the creative industries, such as sound shaping and design, audiovisual composition, field recording, creative and experimental approaches to technology, live performance, interdisciplinary perspectives on sound, and sonic aesthetics.

 [louise.harris@glasgow.ac.uk](mailto:louise.harris@glasgow.ac.uk)

### Programme structure

The programme aims to:

- provide artistic and technical experience in working with sound as a culturally significant medium
- enable you to build your knowledge of tools and methods for manipulating sonic and audiovisual media
- enable you to design, repurpose and reconfigure technologies for creative compositional ends
- enhance your creative practice through taking an exploratory and critical approach to sonic design and composition.

### Semester 1 core courses

- Sound shaping and design
- Creating with technology.

### Semester 2 core courses

- Field recording, sound and place
- Audiovisual composition.

### Semester 2 optional courses (one course chosen from):

- Sonic art performance
- Sound art in dialogue
- Sonic art aesthetics and criticism
- Music, sound and screen.

Additionally you will produce an individual creative portfolio over the summer (60 credits).

### Career prospects

The attributes you will gain are particularly relevant for contemporary music, sound design and sound production, games, theatre, film and television. Many of our graduates undertake successful portfolio careers as artists and sound practitioners in their own right. The programme also offers an excellent foundation upon which to progress to PhD studies.

### Why choose Glasgow?

- Our students and graduates engage in a wide range of professional creative work, including sound design for film and theatre, live performance and award-winning composition.
- You will benefit from access to our facilities including an audio lab, three studios, the University's concert hall with Genelec and d&b sound diffusion system, and seminar and practice rooms.

## Research opportunities

We offer the following research study options:

PhD, MLitt, MPhil, MRes.

Our research areas include:

- Composition, including experimental music, intercultural aspects of composition and music and the moving image
- Historical and cultural musicology, including philosophy and aesthetics of music, music in popular culture, music and politics and music and modernism
- Sound design and audiovisual practice, including live electronics, spatial composition and sound design and sound art aesthetics
- Performance, including historically informed performance and contemporary music practices.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/music](http://glasgow.ac.uk/research/opportunities/subjects/music)

“The University of Glasgow’s PhD in Music blends the flexibility of an individual research project and the security of excellent academic supervision.

“As one of the twelve European UNESCO Cities of Music, Glasgow is the ideal place to be immersed in music research and industry, with resident world-leading symphony orchestras, innovative contemporary ensembles and a dynamic folk and popular music scene.”

Ingrid  
Music (PhD) student

# NEUROSCIENCE & PSYCHOLOGY

Neuroscience & Psychology offers an excellent research environment with impressive facilities and world-leading expertise.

The subject grouping of Neuroscience & Psychology spans across the University and encompasses the Institute of Health & Wellbeing, Institute of Neuroscience & Psychology, School of Psychology and School of Education.

We strive to understand the brain at multiple levels of function, from cells to cognition. Our approaches range from molecular, cellular and systems-level investigations to the brain imaging of human behaviour and cognition.

Our Centre for Cognitive Neuroimaging (CCNi) aims to advance the understanding of the complex relationship between the brain, cognition and behaviour at multiple levels of analysis. Researchers at the centre combine multimodal brain imaging with sophisticated analysis methods to study the functioning of the human brain.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Applied Neuropsychology

**MSc (Med Sci):** 12 months full-time;  
24 months part-time

**PgDip:** 9 months full-time; 18 months part-time

This Masters programme in Applied Neuropsychology is designed for those who have qualified in clinical psychology overseas.

 [anne.lambie@glasgow.ac.uk](mailto:anne.lambie@glasgow.ac.uk)

### Programme structure

The majority of students on this programme come to Glasgow for a full year of study. This will provide you with the opportunity to carry out a research project, which will usually be based in one of our research groups.

All our lectures are given by subject specialists, including clinical academics at the University as well as many other specialists from around the UK and occasionally internationally.

You will take a total of eight courses, arranged into blocks of teaching. Each teaching block lasts two weeks and covers two courses.

### Courses

- Context and perspectives in clinical neuropsychology
- Professional issues and research methods
- Neuroscience
- Epilepsy, seizure and sleep disorders
- Acquired brain injury and disorders of memory, attention and executive functioning
- Degenerative conditions
- Stroke and disorders of perception, language, praxis and calculation
- Paediatric neurology and neuropsychology.

Plus a research project for MSc students.

### Why choose Glasgow?

- The programme has been developed in partnership with NHS Education for Scotland and offers specialist knowledge for clinical psychologists working in the area of clinical neuropsychology.
- All lectures are taught by subject experts, including leading international researchers at the forefront of clinical research in neuropsychological theory, assessment and rehabilitation.

## Clinical Neuropsychology

**MSc (Med Sci):** 12 months full-time;  
24 months part-time

**PgDip:** 9 months full-time; 18 months part-time

This Masters programme in Clinical Neuropsychology is designed for those who are eligible for registration in the UK's Health Professions Council as a clinical psychologist.

 [anne.lambie@glasgow.ac.uk](mailto:anne.lambie@glasgow.ac.uk)

### Programme structure

The majority of students on this programme are clinical psychologists working in the NHS and most complete their programme working part-time over two years, although a small number complete all the teaching blocks in one year.

All our lectures are given by subject specialists, including clinical academics at the University as well as many other specialists from around the UK and occasionally internationally.

You will take a total of eight courses, arranged into blocks of teaching. Each teaching block lasts two weeks and covers two courses.

### Courses

- Context and perspectives in clinical neuropsychology
- Professional issues and research methods
- Neuroscience
- Epilepsy, seizure and sleep disorders
- Acquired brain injury and disorders of memory, attention and executive functioning
- Degenerative conditions
- Stroke and disorders of perception, language, praxis and calculation
- Paediatric neurology and neuropsychology.

Plus a research project for MSc students.

### Why choose Glasgow?

- The Clinical Neuropsychology programme has been developed in partnership with NHS Education for Scotland and offers specialist knowledge for clinical psychologists and other healthcare professionals working in Scotland and the rest of the UK.
- The programme is accredited by the British Psychological Society Division of Neuropsychology and provides the underpinning knowledge component of the Qualification in Clinical Neuropsychology (QicN).

## Clinical Psychology

**DClinPsy:** 36 months full-time

This Doctorate in Clinical Psychology is collaboratively funded through NHS Education for Scotland and the University of Glasgow. You will be employed by a local NHS (Scotland) Health Board for the duration of the programme.

 [dclinpsy@glasgow.ac.uk](mailto:dclinpsy@glasgow.ac.uk)

### Programme structure

The programme follows a modularised structure, which integrates academic teaching, clinical practice education and research training. This process underpins the commitment of the programme team to maximising the synergy between the clinical, academic and research components of training and reflects explicitly our commitment to an integrative educational process. The programme consists of 16 compulsory courses.

### Year 1

- Foundations of clinical psychology
- Foundations of clinical practice 1
- Foundations of clinical practice 2
- Foundation knowledge, understanding and skills
- Service-based evaluation project 1.

### Year 2

- Child/family/adolescent theory and practice
- Learning disability theory and practice
- Research methods
- Research practice
- Advanced professional practice 1
- Service-based evaluation project 2.

### Year 3

- Advanced practice 1
- Advanced practice 2
- Psychology and the law
- Research practice 2: major research project
- Advanced professional practice 2.

### Career prospects

Clinical psychologists have a demanding role working with a wide range of clients, in a variety of health and social care settings, to reduce psychological distress and to enhance and promote psychological wellbeing. This programme produces fit-for-purpose NHS practitioners.

### Why choose Glasgow?

- In common with most clinical psychology programmes, the cognitive behavioural approach to psychotherapy is dominant but there is also a substantial teaching input based upon other psychotherapeutic approaches.
- The programme covers a wide geographical area, including Ayrshire and Arran, Greater Glasgow and Clyde, Highlands, and Lanarkshire, and is varied in terms of rural, urban and inner city populations.

[glasgow.ac.uk/subjects/neuropsychology/postgraduate](https://glasgow.ac.uk/subjects/neuropsychology/postgraduate)



## Psychological Science (conversion)

MSc: 12 months full-time

This British Psychological Society (BPS) accredited conversion programme is designed to provide you with a broad and critical awareness of psychological theory and practice. We have particular expertise in quantitative methods, and our programme would particularly suit those from a science background. There will be the possibility for students to specialise in Cognitive Neuroscience or Clinical Psychology in their choice of optional courses. Training in psychological research methods and project work will be included in the programme.

 [maxine.swingler@glasgow.ac.uk](mailto:maxine.swingler@glasgow.ac.uk)

### Programme structure

Modes of delivery include lectures, seminars, small group teaching and research projects.

#### Core courses

- Cognitive psychology
- Human development
- Individual differences
- Physiological psychology
- Research methods
- Social psychology
- Research project.

#### Optional courses (three chosen from over 10 options), for example:

- Cognitive neuroscience: insights into brain plasticity
- Current trends in clinical psychology
- Development, difference and diversity
- Forensic psychology
- Psychology of biology and mental disorders.

#### Career prospects

Graduates of this programme are eligible to apply for the Graduate Basis for Chartered Membership of the British Psychological Society. Graduates have successfully progressed to vocational Masters programmes in psychology, and used this MSc to further their career in the wider job market. This MSc will be of particular interest to those who wish to acquire brain imaging techniques and want to work within a high-quality research environment. In combination with an undergraduate neuroscience degree, this MSc will prepare those who wish to be academic scientists.

#### Accreditation

The MSc Psychological Science (conversion) is accredited by the British Psychological Society.

#### Why choose Glasgow?

With a top 10 ranking in the UK (Complete University Guide 2019), the school continues to meet student expectations, combining both teaching excellence and a supportive learning environment.

## Psychological Studies (conversion)

MSc: 12 months full-time

This British Psychological Society (BPS) accredited conversion programme is designed to provide you with a broad and critical awareness of psychological theory and practice. You will be provided with opportunities which allow you to focus on aspects of psychology with particular relevance to your own experience and interests.

 [catherine.lido@glasgow.ac.uk](mailto:catherine.lido@glasgow.ac.uk)

### Programme structure

You will take eight core and two optional courses, followed by a research project/dissertation. Additional programme elements include attendance at project sessions designed to support you in your dissertation throughout.

#### Core courses

- Cognitive psychology
- Conceptual and historical issues in psychology
- Developmental psychology
- Individual differences
- Physiological psychology
- Research methods 1
- Research methods 2
- Social psychology.

#### Optional courses may include:

- Applied qualitative methods
- Clinical health psychology
- Current issues in psychology
- Development, difference and diversity
- Educational psychology
- Perception and visual cognition
- Professional skills.

#### Career prospects

As this programme is accredited by the British Psychological Society, successful graduates from the programme are eligible to apply for the Graduate Basis for Chartered Membership of the Society (GBC). Our graduates have successfully progressed to further professional training in the field of psychology. Graduate final destinations after completing further mandatory study include clinical, educational and counselling psychologists, and research associate.

#### Why choose Glasgow?

- You will study the fundamental and specialised theories, principles and concepts, which are informed by developments at the forefront of research in psychology.
- You will utilise a significant range of skills, techniques, practices and materials, which are associated with psychology.

## Psychology (conversion) (online)

MSc Online Distance Learning: 36 months part-time

The Masters in Psychology (conversion) (online) is designed to provide a broad and critical awareness of psychological theory and practice. Graduates will have a range of intellectual and practical skills, including initiative, self-reliance and critical ability, which are readily adaptable to the needs of the labour market.

 [kevin.wilson-smith@glasgow.ac.uk](mailto:kevin.wilson-smith@glasgow.ac.uk)

### Programme structure

Modes of delivery include online lectures and seminars. You will undertake an online practical portfolio and research projects including a dissertation.

#### Core courses

- Cognitive psychology
- Conceptual and historical issues in psychology
- Human development
- Individual differences
- Physiological psychology
- Research methods
- Social psychology
- Research project (dissertation).

#### Optional courses (two chosen)

- Applied qualitative methods
- Clinical health
- Counselling
- Current issues
- Development, difference and diversity
- Educational psychology
- Forensic psychology.

#### Career prospects

This MSc can function as both a feeder for a PhD and also as an industry-focused qualification. Graduates of this programme may go on to further academic training and pursue a PhD.

#### Why choose Glasgow?

- Psychology at Glasgow is ranked 8th in the UK and 2nd in Scotland (Complete University Guide 2019).
- With a top 10 ranking in the UK (Complete University Guide 2019), the school continues to meet student expectations, combining both teaching excellence and a supportive learning environment.

## Research Methods of Psychological Science

MSc: 12 months full-time

This Masters in Research Methods of Psychological Science will provide you with both theoretical instruction and practical experience in the methods appropriate for scientific research in psychology.

 [martin.lages@glasgow.ac.uk](mailto:martin.lages@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Research Methods of Psychological Science include lectures, seminars and tutorials and lab work.

#### Core courses

- Data skills for reproducible science
- Introduction to Matlab programming
- Professional skills
- Research methods in cognitive science
- Statistics and research design
- Qualitative methods.

#### Optional courses (one chosen)

- Cognitive brain imaging
- Computational neuroscience
- Formal models and quantitative methods
- Sleep and circadian timing
- Social robotics
- Visual perception and cognition.

There will be the possibility for students to specialise in social robotics in their choice of optional courses/dissertation topic.

You will also attend Scottish universities' psychology postgraduate meetings, research seminars and journal clubs.

#### Career prospects

As this programme meets the requirements of the ESRC, successful graduates from the programme are eligible for +3 ESRC PhD studentships. The majority of our graduates have obtained PhD funding or secured a research or teaching position. Others have opted for further professional training in specialised fields of psychology. Some graduates have used the qualification and skills to advance in their current employment.

Graduates of this programme have gone on to positions such as Assistant Psychologist at NHS.

#### Why choose Glasgow?

- Psychology at Glasgow is ranked 8th in the UK and 2nd in Scotland (Complete University Guide 2019).
- This MSc is an approved research training programme of the Economic and Social Research Council (ESRC) and can either be the first year of a '1+3' funding package or qualify you for future '1+3' funding.

## Research opportunities

We offer the following research study areas:

### PhD, MSc (Res).

- Circadian rhythms
- Cognitive neuroscience
- Cortical circuits mediating perception and memory
- Dynamics of auditory and visual processing
- Experimental psychology
- Experimental stroke
- Functions of brain oscillations
- Health cognition
- Health neuroscience
- Imaging in acute stroke
- Language/communication and perception
- Molecular mechanisms of synaptic transmission and plasticity
- Neural control of respiration
- Neuroendocrine effects on social interactions
- Neuromodulation via TMS
- Non-invasive multimodal brain imaging using fMRI/MEG/EEG
- Rett syndrome
- Schizophrenia
- Social robotics
- Spinal cord and brainstem circuits in pain
- Spinal cord injury
- Stem cells as treatment for stroke
- Stroke clinical trial and design.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/neuroscience](http://glasgow.ac.uk/research/opportunities/subjects/neuroscience) or [glasgow.ac.uk/research/opportunities/subjects/psychology](http://glasgow.ac.uk/research/opportunities/subjects/psychology)

## PHILOSOPHY

Philosophy at Glasgow has an illustrious history of original thinkers going against the grain of orthodoxy.

Our research expertise spans a wide range of disciplines including:

- Epistemology
- History of analytic philosophy
- Logic, language and mathematics
- Metaphysics
- Moral philosophy
- Philosophy of emotion
- Philosophy of mind
- Philosophy of perception
- Political philosophy.

Our research-driven programmes will help prepare you for PhD study or a career in the public or private sectors. You will benefit from an extraordinary amount of staff time and attention and are encouraged to attend and participate in research seminars, workshops and conferences.

By choosing to study a philosophy degree at Glasgow you will be following in the footsteps of past professors, who include such giants of empiricism as Adam Smith and Thomas Reid.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Philosophy (MSc)

**MSc:** 12 months full-time; 24 months part-time

Our Philosophy MSc offers you the opportunity to work closely with our staff in courses based upon their own expertise and current research. It will introduce you to the cutting edge of recent developments in analytic philosophy, from the practical and applied, to the most theoretical end of the subject.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

The degree consists of a choice of four semester-length courses across a range of philosophical topics, all driven by the cutting-edge research of our professors and lecturers. There is also a 10,000–15,000 word dissertation to be completed on a topic of your choice, supported by an expert supervisor over the summer, as well as a year-long core course offering training in philosophical research methods.

In semester 1 we offer the following four optional courses, of which you may choose two:

- Moral philosophy
- Philosophy of mind A
- Epistemology
- Philosophy of language.

In semester 2 we offer the following four optional courses, of which you may choose two:

- Political philosophy
- Philosophy of mind B (Perception)
- Metaphysics
- Philosophical methodology.

### Career prospects

Philosophy students at Glasgow receive rigorous and personalised training in problem-solving skills, writing skills, presentation and research skills.

All these skills are widely applicable and recognised to be exceptionally valuable in a wide range of careers, including journalism, teaching, the civil service, local government, business, publishing, law and the arts.

This degree also provides an exceptional foundation for philosophical research at doctoral level.

### Why choose Glasgow?

Our courses are designed to reflect the developments at the forefront of the discipline, drawing upon the extensive and internationally recognised expertise of our staff in history of analytic philosophy, metaphysics, philosophy of language, philosophy of mind, ethics and political philosophy.



## Philosophy (MLitt)

MLitt: 12 months full-time; 24 months part-time

This Masters is designed for those who don't already have a Philosophy degree. It will provide you with in-depth knowledge of analytic philosophy, for instance, moral and political philosophy, the history of philosophy, philosophy of the mind and philosophy of mathematics and language.

 [humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

The Philosophy MLitt has three components:

1. Introduction to analytic philosophy
2. A choice of four from a list of courses which may include options such as:
  - Epistemology
  - Metaphysics
  - Moral philosophy
  - Philosophy of art
  - Philosophy of language
  - Philosophy of mathematics
  - Philosophy of mind
  - Philosophy of perception
  - Philosophy of psychology
  - Philosophy of religion
  - Political philosophy.
3. A dissertation on a topic of your choice guided by individual support from an expert supervisor.

### Career prospects

Philosophy students at Glasgow receive rigorous and personalised training in problem-solving skills, writing skills, presentation and research skills. All these skills are widely applicable and recognised to be exceptionally valuable in a wide range of careers, including journalism, teaching, the civil service, local government, business, publishing, law and the arts. You will also be well equipped to carry on to a further degree in philosophy such as a PhD.

### Why choose Glasgow?

- The study of philosophy at Glasgow builds on a prestigious history that includes the achievements of great thinkers such as Francis Hutcheson, Adam Smith and Thomas Reid.
- Today, we continue their tradition of free enquiry and intellectual innovation through our teaching and research, including the Centre for the Study of Perceptual Experience and the Forum for Quine and the History of Analytic Philosophy.

## Research opportunities

We offer the following research study options:

PhD, MLitt, MPhil.

Our research areas include:

- Epistemology
- History of analytic philosophy
- Logic, language and mathematics
- Metaphysics
- Philosophy of emotion
- Moral philosophy
- Philosophy of mind
- Philosophy of perception
- Political philosophy.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/philosophy](http://glasgow.ac.uk/research/opportunities/subjects/philosophy)

## PHYSICS & ASTRONOMY

Glasgow is one of the UK's leading centres for cutting-edge research and degree programmes in physics and astronomy.

In recent years our research has been recognised by the UK Government's Research Exercise Framework (REF) and receives consistently high levels of funding. You will benefit from the world-leading expertise of our staff, which has earned them both national and international honours.

Glasgow's Institute for Gravitational Research was recently at the centre of a truly global research discovery which detected gravitational waves coming from two black holes, confirming Einstein's theory of general relativity more than 100 years after his original prediction.

Other areas of expertise in which Glasgow excels include:

- Astronomy and astrophysics
- Nuclear physics
- Optics
- Particle physics
- Quantum theory.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Astrophysics

MSc: 12 months full-time

The Masters in Astrophysics gives you an understanding of the principles and methods of modern astrophysics at a level appropriate for a professional physicist.

 [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Astrophysics include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

### Core courses

- Advanced data analysis
- General relativity and gravitation (alternate years, starting 2018–19)
- Gravitational wave detection
- Plasma theory and diagnostics (alternate years, starting 2019–20)
- Pulsars and supernovae (alternate years, starting 2018–19)
- Research skills
- Statistical astronomy (alternate years, starting 2019–20)
- The Sun's atmosphere
- Extended project.

### Optional courses may include:

- Applied optics
- Cosmology (alternate years, starting 2018–19)
- Dynamics, electrodynamics and relativity
- Electromagnetic theory 2
- Exploring planetary systems (alternate years, starting 2018–19)
- Galaxies (alternate years, starting 2019–20)
- Heliophysics and stellar atmospheres (alternate years, starting 2019–20)
- Instruments for optical and radio astronomy (alternate years, starting 2018–19)
- Statistical mechanics
- Stellar structure and evolution (alternate years, starting 2019–20).

### Career prospects

Career opportunities include academic research in universities, research institutes, observatories and laboratory facilities; industrial research in a wide range of fields including energy and the environmental sector, IT and semiconductors, optics and lasers, materials science, banking and commerce.

### Why choose Glasgow?

- This programme is accredited by the Institute of Physics.
- The school plays a world-leading role in the design and operation of the worldwide network of laser interferometers that have detected gravitational waves.

## Physics: Advanced Materials

**MSc:** 12 months full-time

The Masters in Physics: Advanced Materials provides an understanding of the principles and methods of modern physics, with particular emphasis on their application to global interdisciplinary challenges in the area of advanced materials and at a level appropriate for a professional physicist.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Physics: Advanced Materials include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

The programme draws upon a wide range of advanced Masters-level courses. You will have the flexibility to tailor your choice of optional lecture courses and project work to a wide variety of specific research topics and their applications in the area of advanced materials.

### Core courses

- Advanced data analysis
- Nano and atomic scale imaging
- Research skills
- Solid state physics
- Extended project.

### Optional courses may include:

- Detection and analysis of ionising radiation
- Environmental radioactivity
- Imaging and detectors
- Nuclear power reactors
- Semiconductor physics
- Statistical mechanics.

### Career prospects

Career opportunities include academic research, based in universities, research institutes, observatories and laboratory facilities; industrial research in a wide range of fields including energy and the environmental sector, IT and semiconductors, optics and lasers, materials science, telecommunications, engineering; banking and commerce; higher education.

### Why choose Glasgow?

- This programme is accredited by the Institute of Physics.
- The School of Physics & Astronomy hosts the Kelvin Nanocharacterisation Centre, which houses state-of-the-art instrumentation for studying materials at the nanoscale or below.

## Physics: Energy & the Environment

**MSc:** 12 months full-time

The Masters in Physics: Energy & the Environment provides an understanding of the principles and methods of modern physics, with emphasis on their application to global challenges in sustainable energy, climate change and the environment, and at a level appropriate for a professional physicist.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Physics: Energy & the Environment include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

The programme draws upon a wide range of advanced Masters-level courses. You will have the flexibility to tailor your choice of optional lecture courses and project work to a wide variety of specific research topics and their applications in the areas of energy and the environment.

### Core courses

- Advanced data analysis
- Energy and environment
- Nuclear power reactors
- Research skills
- Extended project.

### Optional courses may include:

- Detection and analysis of ionising radiation
- Electromagnetic theory 2
- Environmental radioactivity
- Imaging and detectors
- Statistical mechanics.

### Career prospects

Career opportunities include academic research, based in universities, research institutes, observatories and laboratory facilities; industrial research in a wide range of fields including energy and the environmental sector, IT and semiconductors, optics and lasers, materials science, telecommunications, engineering; banking and commerce; higher education.

### Why choose Glasgow?

- This programme is accredited by the Institute of Physics.
- The school plays a leading role in the exploitation of data from the Large Hadron Collider, the world's largest particle accelerator at CERN.

## Physics: Nuclear Technology

**MSc:** 12 months full-time

The Masters in Physics: Nuclear Technology provides an understanding of the application of nuclear processes and technology to energy generation, medical physics and environmental monitoring, and at a level appropriate for a professional physicist.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Physics: Nuclear Technology include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

### Core courses

- Advanced data analysis
- Detection and analysis of ionising radiation
- Environmental radioactivity
- Imaging and detectors
- Nuclear power reactors
- Research skills
- Extended project.

### Optional courses may include:

- Computational physics laboratory
- Dynamics, electrodynamics and relativity
- Electromagnetic theory 2
- Energy and environment
- Medical imaging
- Nuclear and particle physics
- Nuclear physics
- Relativistic quantum mechanics
- Statistical mechanics.

The extended MSc project is normally carried out in the summer period on a specific aspect of theoretical, computational or experimental physics which has current or potential application in the areas of nuclear technology, nuclear energy, radiation detection or environmental monitoring. You will conduct this project while embedded within a particular research group – under the direct supervision of a member of academic staff.

### Career prospects

Career opportunities include academic research, based in universities, research institutes, observatories and laboratory facilities; industrial research in a wide range of fields including energy and the environmental sector, IT and semiconductors, optics and lasers, materials science, telecommunications, engineering; banking and commerce; higher education.

### Why choose Glasgow?

This programme is accredited by the Institute of Physics.

## Quantum Technology

**MSc:** 12 months full-time

This Masters in Quantum Technology will provide training in the emerging area of quantum technologies, giving students advanced training in the relevant physics and engineering, while acquiring key skills in micro/nanofabrication. This MSc is underpinned by Glasgow leadership in the UK's Quantum Technology programme. The subjects taught in this programme are the relevant science behind many of the global challenges – in energy, environment, materials and security – identified as major themes for interdisciplinary research in the 21st century.

[pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Quantum Technology include lectures, tutorials, seminars, laboratory practical classes, small group supervisions and private study.

You will undertake a research project which will be supervised by a member of staff who works within the area of quantum technologies.

### Core courses

- Advanced data analysis
- Experimental techniques in quantum optics
- Fundamentals of sensing and measurement
- Introduction to research in nanoscience & nanotechnology
- Micro and nano technology
- MSc project (taken in either Physics or Engineering).

### Optional courses may include:

- Electronic devices 3
- Frontiers of optics
- Groups & symmetries
- Imaging & detectors
- Laser interferometry
- Lasers and integrated optics M
- Magnetism & superconductivity
- Managing creativity & innovation
- Microwave elect & optoelect devices
- Nanofabrication
- Optical communications
- Quantum information
- Quantum theory
- Relativistic quantum mechanics
- Statistical mechanics.

### Career prospects

Career opportunities include defence and security, environmental monitoring, space technology, seismic monitoring, sources and detectors, and nanofabrications in companies such as Leonardo, Thales, BAE Systems, Lockheed Martin, DSTL, National Physical Laboratory, Bridgeporth, Clyde Space, Schlumberger, M Squared, Coherent, Photon Force, STMicroelectronics and Kelvin Nanotechnology.

### Why choose Glasgow?

Glasgow leads one of the four UK quantum technology hubs (QuantIC).



## Sensor & Imaging Systems

**MSc:** 12 months full-time

The Masters in Sensor & Imaging Systems focuses on the technologies and techniques that underpin a vast range of societal, research and industrial needs. It is delivered and awarded jointly by the Universities of Glasgow and Edinburgh. Sensing and sensor systems are essential for advances in research across all fields of physics, engineering and chemistry and are enhanced when multiple sensing functions are combined into arrays to enable imaging. This is an industry-focused programme.

**e** [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

You will be taught on the campuses of Glasgow and Edinburgh Universities.

#### Core courses

- Circuits and systems
- Fundamentals of sensing and measurement
- Imaging and detectors
- Technology and innovation management
- Research project preparation.

#### Optional courses may include:

- Biomedical imaging techniques
- Biophysical chemistry
- Biosensors and instrumentation
- Chemical biology
- Digital signal processing
- Electronic product design and manufacture
- Electronic system design
- Entrepreneurship
- Lab-on-chip technologies
- Lasers and electro-optic systems
- Microelectronics in consumer products
- Microfabrication techniques
- Nanofabrication
- Physical techniques in action
- Waves and diffraction.

### Career prospects

Career opportunities are extensive. Sensor systems are spearheading the next wave of connectivity and intelligence for internet-connected devices, underpinning all of the new "smart markets", eg grid, cities, transport and mobility, digital healthcare and big data.

Graduates are equipped with domain-appropriate skills suitable for a range of careers in areas including renewable energy, subsea and marine technologies, defence, automotive engineering, intelligent transport, healthcare, aerospace, manufacturing and process control, consumer electronics, and environmental monitoring.

### Why choose Glasgow?

This is a jointly taught and awarded degree from the University of Glasgow and the University of Edinburgh, developed in conjunction with CENSIS.

## Theoretical Physics

**MSc:** 12 months full-time

The Masters in Theoretical Physics provides an understanding of the principles and methods of modern physics, with particular emphasis on the theoretical aspects of the subject, and at a level appropriate for a professional physicist.

**e** [pgadmissions@glasgow.ac.uk](mailto:pgadmissions@glasgow.ac.uk)

### Programme structure

Modes of delivery of the MSc in Theoretical Physics include lectures, seminars and tutorials and allow you the opportunity to take part in lab, project and team work.

The programme draws upon a wide range of advanced Masters-level courses. You will have the flexibility to tailor your choice of optional lecture courses and project work to a wide variety of specific research topics and their applications in the area of theoretical physics.

#### Core courses

- Advanced data analysis
- Quantum information
- Quantum theory
- Research skills
- Extended project.

#### Optional courses may include:

- Advanced electromagnetic theory
- Advanced mathematical methods
- Applied optics
- Dynamics, electrodynamics and relativity
- Electromagnetic theory 2
- General relativity and gravitation (alternate years, starting 2018–19)
- Mathematical methods 2
- Plasma theory and diagnostics (alternate years, starting 2019–20)
- Relativistic quantum mechanics
- Statistical mechanics
- The Sun's atmosphere.

### Career prospects

Career opportunities include academic research, based in universities, research institutes, observatories and laboratory facilities; industrial research in a wide range of fields including energy and the environmental sector, IT and semiconductors, optics and lasers, materials science, telecommunications, engineering; banking and commerce; higher education.

### Why choose Glasgow?

- This programme is accredited by the Institute of Physics.
- The School plays a leading role in the exploitation of data from the Large Hadron Collider, the world's largest particle accelerator at CERN.

## Research opportunities

We offer the following research study options:

**PhD, MRes.**

Our research areas include:

- Astronomy and astrophysics
- Experimental and theoretical particle physics
- Extreme light
- Gravitational research
- Imaging concepts
- Materials and condensed matter physics
- Nuclear physics
- Optics
- Quantum theory.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/physicsastronomy](http://glasgow.ac.uk/research/opportunities/subjects/physicsastronomy)

"I am really enjoying my Theoretical Physics MSc in Glasgow. The programme is very academic, which allows me to be flexible and independent with my studies.

"The programme has allowed me the freedom to choose courses in order to develop skills and learn about different areas of my choice; in my case I chose numerous energy-related courses to gain experience in that industry.

"As well as this, Glasgow is an amazing city to live in; it's a very friendly place yet also includes everything you'd want from a big city."

**Patrick**


Theoretical Physics (MSc) student

# POLITICS

Glasgow has a long tradition of researching and teaching politics, dating back to when Adam Smith gave a series of lectures on justice, police, revenue and arms at the University.

Politics at Glasgow produces innovative and influential research across three main clusters:

- Comparative Politics, with an emphasis on the quality of democracy, political communication and processes of political transformation, especially in the rising powers of China and Russia. Cluster research groups include: citizens, communication and political actors; transformation.
- International Relations, especially the normative dimensions of security and EU external relations. Associated research groups include: Historic and International Theory (HINT); Glasgow Global Security Network.
- Human Rights, with a focus on the politics of protection and the gender, sexuality, rights nexus. Associated research groups include: Gender and Sexualities Forum; Glasgow Human Rights Network.

 For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Chinese Studies

**MSc:** 12 months full-time; 24 months part-time

The programme offers an introduction to the fascinating and fast-changing dimensions of China today. It provides a broad grounding in Chinese society, economy, business, politics and culture. There is the flexibility to combine cultural and political studies with introductory or more advanced modules in Mandarin.

 [neil.munro@glasgow.ac.uk](mailto:neil.munro@glasgow.ac.uk)

### Programme structure

You will take two core and four optional courses, and submit a dissertation. The dissertation is your opportunity to explore your own specialist interest in China and to demonstrate the research and writing skills you have developed during the programme.

### Core courses

- Chinese politics and society
- Culture and tradition in modern China.

### Optional courses may include:

- China and the West: Intellectuals and knowledge dynamics
- China's century of conflict: 1839–1949
- China's international politics
- Chinese internship or language study in China
- Chinese language level 1 or 2
- Environmental policies and problems in China
- Qualitative methods
- Quantitative data analysis
- Research design
- Social change in China.

### Career prospects

This programme is ideal for anyone interested in pursuing a career involving China, whether in the business world, public services, the arts and media, or as preparation for further academic study through PhD study. Our alumni have also gone on to successful careers as public affairs consultants, and advertising and PR managers, as well as in secondary school education. The programme has helped graduates develop international perspective, critical thinking and writing skills, and also smoothed the path to living and working in the Far East.

### Why choose Glasgow?

- The degree is interdisciplinary, drawing on the expertise of specialists in Chinese politics, economics, business, culture and history, as well as seminars, workshops and lectures delivered by the University's Scottish Centre for China Research.
- You can spend eight weeks (May to July) in China, where you will have the opportunity to gain first-hand experience of Chinese society and culture. A variety of scholarships are available to fund or part-fund short-term language study at a Chinese university or language institute.

## Global Security (MSc)

**MSc:** 12 months full-time; 24 months part-time

The traditional military threats which defined global security matters for the best part of the 20th century have been quickly replaced by new and re-emerging security challenges. This programme offers you the opportunity to examine many of these contemporary threats.

 [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take four core and a selection of optional courses. You will also complete a dissertation as a piece of independent research. In addition to the general degree programme, you have the opportunity to study one of three specialised pathways.

### Core courses

- Comparative approaches to warfare and violent conflict
- International security and global politics
- Research design OR Qualitative methods
- Thematic issues in global security.

### Optional courses

You will supplement the core elements of the programme with a range of optional courses chosen from a broad list.

### Pathways

Current pathways include:

- Cyber security and intelligence
- Social and cultural perspectives
- Strategy and defence.

### Career prospects

You can move into careers such as working with governmental and non-governmental organisations, business and international/transnational organisations. Recent graduates have gone on to work for the BBC, the United Nations, the UK armed forces, a US-based research agency and UK-based private security and risk analysis companies. Others have gone on to undertake a PhD.

### Why choose Glasgow?

- You will develop your knowledge of the security challenges impacting our rapidly changing social and political environment at a local, national and global level. These range from terrorism and cyber warfare to disease, migration and climate change.
- You can combine a broad spectrum of subject areas into your degree, including politics, sociology, Central & East European studies, war studies, archaeology, computing science, geography, law, business and education.

## Global Security (MRes)

**MRes:** 12 months full-time; 24 months part-time

The traditional military threats which defined global security matters for the best part of the 20th century have been quickly replaced by new and re-emerging security challenges. This programme offers you the opportunity to examine many of these contemporary threats.

 [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course, as well as submit a dissertation.

### Core courses

- International security and global politics
- Qualitative research methods
- Quantitative data analysis
- Research design
- Thematic issues in global security.

### Optional courses may include:

- British military power since 1945
- Comparative approaches to warfare and violent conflict
- Critical perspectives on securities and vulnerabilities
- Development, postcolonialism and environment
- Ethics in global politics
- Freedom, security and justice in the European Union
- Globalisation and European integration
- Globalisation and the new security agenda in Central and Eastern Europe
- Human rights and global politics
- Insurgency and counter-insurgency, 1800–present
- International relations theory
- Social change and social justice: activism, social movements and democracy
- Society, environment and the concept of sustainable development in post-Soviet Russia
- The European Union in international politics and development
- The global criminal economy
- The internet and civil society.

### Career prospects

The programme provides a dedicated research training pathway if you are to looking to go on to doctoral study or to seek a career within a social research field.

### Why choose Glasgow?

- You will study research methods within the College of Social Sciences' graduate school, which is one of the top research training centres in the UK and benefits from ESRC recognition for many of its courses.
- You will combine your research methods training with a range of security-focused optional courses from a broad spectrum of subject areas, including politics, sociology, Central & East European studies, war studies, computing science, geography, law, business and education.

[glasgow.ac.uk/subjects/politics/postgraduate](http://glasgow.ac.uk/subjects/politics/postgraduate)



## Human Rights & International Politics (MSc)

**MSc:** 12 months full-time; 24 months part-time

This programme offers a thorough academic analysis of one of the most salient and pressing issues in the contemporary world: the place of individual human rights in a system of international relations in which states' rights have traditionally been paramount.

 [katherine.allison@glasgow.ac.uk](mailto:katherine.allison@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses. Courses will be delivered via lectures and seminars. Some courses contain an exam. You will also submit a dissertation at the end of the programme.

#### Core courses

- Critical perspectives on human rights (Politics)
- Fundamentals of international law (Law)
- Human rights and global politics (Politics)
- Qualitative research methods OR Research design.

#### Optional courses may include:

- China's international politics
- Chinese politics and society
- Comparative public opinion
- Environmental policies and problems in China
- EU in international politics and development
- Foreign policy of the United States
- Humanitarian intervention
- International human rights law
- International organisations
- International relations and development
- International relations research
- International relations theory
- International security and strategic thought
- Internet and civil society
- Media and democracy
- Political institutions communication
- United Nations law.

#### Career prospects

Career opportunities include positions in higher education, government/foreign ministry, intergovernmental organisations, non-governmental organisations and think tanks.

#### Why choose Glasgow?

- If you plan a career with non-governmental organisations, in related domestic, European and other global institutions, or in higher education, or want to learn more about human rights and international politics, this programme is designed for you.
- You will have the opportunity to participate in a five-day study trip to Geneva to visit the UN and non-governmental human rights organisations.

## Human Rights & International Politics (MRes)

**MRes:** 12 months full-time; 24 months part-time

This ESRC-recognised research-training programme gives you a broad and rigorous grounding in the study and methodologies of one of the most salient and pressing issues in the contemporary world: the place of individual human rights in a system of international relations in which states' rights have traditionally been paramount.

 [katherine.allison@glasgow.ac.uk](mailto:katherine.allison@glasgow.ac.uk)

### Programme structure

You will take six core courses, as well as submit a dissertation. Teaching will be delivered through lectures, seminars and tutorials. You will also be able to take part in project and team work and an international study trip. Some courses contain an exam.

#### Core courses

- Critical perspectives on human rights (Politics)
- Fundamentals of international law (Law)
- Human rights and global politics (Politics)
- Qualitative research methods
- Quantitative data analysis
- Research design.

#### Career prospects

Career opportunities include positions in higher education, government/foreign ministry, intergovernmental organisations, non-governmental organisations and think tanks.

#### Why choose Glasgow?

- If you want to pursue a research-intensive career or doctoral studies, including under the ESRC 1+3 scheme, then this ESRC-recognised research training programme is designed for you.
- The programme draws on recognised expertise in international institutions, security, gender, political philosophy, theories of rights, and ethics and normative theory, as well as a wide variety of country and regional expertise.

## International Relations (MSc)

**MSc:** 12 months full-time; 24 months part-time

This programme is designed for those interested in studying the most challenging problems our world currently faces, such as international conflict and instability, terrorism, climate change, and rapid globalisation. Building on a thorough understanding of international relations theory, you will learn how to apply and leverage methods and research design to answer the most pressing societal questions of our time.

 [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses. You will attend lectures, seminars and tutorials and undertake independent research.

#### Core courses

- International relations research
- International relations theory
- Research design OR Quantitative data analysis OR Qualitative methods.

#### Optional courses may include:

- International relations research
- International relations theory
- Research design
- Quantitative data analysis OR Qualitative research methods.

#### Career prospects

The programme provides you with key knowledge and analytical tools relevant to a career in a variety of settings related to international relations, such as international and domestic non-governmental organisations, international organisations such as the United Nations and the European Union, government agencies, media, think tanks, or for further academic training and research in a PhD programme.

#### Why choose Glasgow?

- This programme offers comprehensive training in what international relations has to say about some of the most challenging problems in international politics and equips you with the appropriate methods and a good understanding of research design to analyse political data.
- The programme draws on expertise in the fields of international relations theory, normative international theory, international security, international organisations, non-state actors, human rights, humanitarian intervention, and international political economy.

## International Relations (MRes)

**MRes:** 12 months full-time; 24 months part-time

This ESRC-recognised research-training programme provides a broad and in-depth grounding in the study and methodologies of the most challenging problems our world currently faces, such as international conflict and instability, terrorism, climate change, and rapid globalisation. Building on a thorough understanding of international relations theory, our programme trains you in how to apply and leverage methods and research design to answer the most pressing societal questions of our time.

 [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course. You will attend lectures, seminars and tutorials and undertake independent research in the form of a dissertation.

#### Core courses

- International relations research
- International relations theory
- Qualitative research methods
- Quantitative data analysis
- Research design.

#### Optional courses may include:

- China's international politics
- Chinese politics and society
- Comparative public opinion
- EU in international politics and development
- Human rights and global politics
- Humanitarian intervention
- International organisations
- International relations and development
- Internet and civil society
- Media and democracy.

#### Career prospects

The programme is ideal for those interested in pursuing studies at doctoral level and obtaining a PhD degree. Outside academia, the programme provides you with key knowledge and analytical tools relevant to a career in a variety of settings related to international relations, such as international and domestic non-governmental organisations, international organisations such as the United Nations and the European Union, government agencies, media, and think tanks.

#### Why choose Glasgow?

- If you are planning to pursue a research-intensive career or doctoral studies, including under the ESRC 1+3 scheme, this programme is designed for you. This degree provides a pathway to ESRC sponsored postgraduate fellowships.
- This programme offers training in what international relations has to say about some of the most challenging problems in international politics and equips you with the appropriate methods and a good understanding of research design to analyse political data.

## Political Communication (MSc)

**MSc:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time

On this programme you will explore a variety of themes in areas related to mass media, politics and communication. You will seek to understand flows of information and their political consequences both domestically and internationally, across a diversity of platforms, structures and systems.

 [ana.langer@glasgow.ac.uk](mailto:ana.langer@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses. You will also write a dissertation on a topic of your choice, under the personal supervision of a specialist member of staff.

#### Core courses

- Media and democracy
- Political institutions and communication
- Qualitative methods for social scientists OR Quantitative data analysis OR Research design.

#### Optional courses may include:

- China's international politics
- Crime, media and popular culture
- Critical perspectives on human rights
- Humanitarian intervention
- International organisations
- International relations research
- International security and strategic thought
- Internet and civil society
- Media and regime transformation in Central & Eastern Europe
- Media, security and war
- Researching audiences and the media.

#### Career prospects

Our graduates have found opportunities across the globe, for example working with political parties, campaigns, charities, NGOs, civil service, journalism, business, academia, public relations, public affairs, national or local politics, and more. They are working in careers in Scotland, the UK and beyond. This programme also helps prepare you to go on to PhD work in the field.

#### Why choose Glasgow?

- This programme is designed for those who want to pursue a career in political communication, offering you a range of theoretical insights and analytical tools and skills that will be beneficial for a broad range of careers.
- You will engage in discussions about the role of mass media and new media in society, the ways in which politicians and citizens use media, and the quality of public deliberation.

## Political Communication (MRes)

**MRes:** 12 months full-time; 24 months part-time

This ESRC-recognised research-training programme gives you a broad and rigorous grounding in the study and methodologies of political communication.

 [ana.langer@glasgow.ac.uk](mailto:ana.langer@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course. You will also write a dissertation on a topic of your choice, under the supervision of a specialist member of staff.

#### Core courses

- Media and democracy
- Political institutions and communication
- Qualitative research methods
- Quantitative data analysis
- Research design.

#### Optional courses may include:

- China's international politics
- Crime, media and popular culture
- EU in international politics and development
- Human rights and global politics
- Humanitarian intervention
- International relations research
- Internet and civil society
- Media and democratisation in Central & Eastern Europe
- Media, war and security.

#### Career prospects

Career opportunities include positions in research organisations such as think tanks; public relations and communications in government agencies, political parties, charities and international organisations; politics and political consultancy; political journalism; media policymaking; and higher education, including doctoral studies.

#### Why choose Glasgow?

- If you want to work as a researcher, develop academic research skills or embark on a PhD in political communication and related subjects, this programme is designed for you.
- The programme draws on very strong staff expertise in political communication, as well as recognised strength in comparative politics and international relations.

## Security, Intelligence & Strategic Studies (Erasmus Mundus International Master)

**IntM:** 24 months full-time

This Erasmus Mundus Joint Masters degree brings together European and international partners to provide an integrated study programme engaging with theoretical, empirical and applied approaches to security, intelligence and strategy. Studying across Europe you will be able to participate in an optional work-based placement with a practitioner organisation.

 [IMSIS@glasgow.ac.uk](mailto:IMSIS@glasgow.ac.uk)

### Programme structure

The programme is structured around a series of mobility periods across two years where you study at the three programme universities for one academic semester each. During year 1, you will undertake a series of core courses reflecting the main themes of the programme and research methods training.

In year 2, you will choose a specialist concentration containing a range of optional courses. Also included is a fourth flexible mobility period, during which independent study (dissertation) and an optional work-based learning placement with a relevant non-academic practitioner partner are undertaken.

#### Year 1

- University of Glasgow (September–December)
- Dublin City University (January–May)
- Various locations (June–August; optional).

#### Year 2

- Charles University Prague (September–February)
- Independent study portfolio (March–August).

#### Career prospects

Graduates from this programme are prepared to pursue careers in security-related posts in government offices and public administration, international organisations, non-governmental organisations, transnational business corporations and private security and risk analysis companies. Some might also like to pursue a doctorate and an academic career.

#### Why choose Glasgow?

- The University of Glasgow is the leading partner in the consortium of universities that have developed this joint Masters programme. Other degree-awarding partners include Charles University Prague (Czech Republic) and Dublin City University (Ireland).
- Specialist masterclasses and webinars (online seminars) will be provided by practitioners and visiting academics.

## South European Studies

**IntM:** 24 months full-time

Southern Europe is a region that finds itself at the cutting edge of key global challenges. South European Studies offers the stimulating experience of studying and training in three different European countries in the region and the opportunity to acquire advanced language, research and professional skills.

 [myrto.tsakatika@glasgow.ac.uk](mailto:myrto.tsakatika@glasgow.ac.uk)

### Programme structure

The programme is taught over 24 months and includes three mobility periods with a partner institution; one per semester excluding semester 1 in year 1. Language courses in all major South European languages are available with each mobility partner.

#### Year 1: Semester 1

- University of Glasgow – Overview.

#### Year 1: Semester 2

- National and Kapodistrian University of Athens – Greece and the Balkans
- Universidad Autónoma de Madrid – Spain and the Arab world.

#### Summer school

- Instituto de Ciências Sociais da Universidade de Lisboa – Dissertation workshops.

#### Year 2: Semester 3

- National and Kapodistrian University of Athens – Crisis and change
- Universidad Autónoma de Madrid – Nationalism
- Aix-Marseille Université – Borders
- LUISS Guido Carli – Democratisation.

#### Year 2: Semester 4

- Athens/Madrid/Aix-en-Provence/Rome – Research track and dissertation
- Aix-en-Provence/ Madrid – Professional track and work placement.

#### Career prospects

Career prospects include the civil service, diplomacy, regional organisations such as the Union for the Mediterranean and the European Union, international organisations such as NATO and the United Nations, journalism, public opinion and market research, non-governmental organisations and charities, teaching, business, tourism and international trade.

#### Why choose Glasgow?

- The programme is unique in examining Southern Europe as a distinct region with its own identity and global role. Themes include democracy and protest, migration, social and economic change, nationalism, European integration and the new trade and security challenges that are reshaping the region.
- Multiple mobilities allow for a truly international learning experience, immersion into South European society and culture, and experience of diverse educational systems.



### Research opportunities

We offer PhDs in the following research areas:

- Citizens, communication and political actors
- Gender and Sexualities Forum
- Historic and International Theory (HINT)
- Transformation.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/politics](https://glasgow.ac.uk/research/opportunities/subjects/politics)

“I had offers for postgraduate study from several world-leading institutions, but the Global Security programme at the University of Glasgow seemed the most attractive to me. In particular, I liked that the programme offers a range of pathways that suits each student’s research interests. I eventually chose the Social and Cultural Perspectives pathway, which offered a range of courses that exposed me to conventional and unconventional security topics, such as gender violence or the plight of refugees.”

Akira

Global Security (MSc) graduate

## SOCIOLOGY

Sociology at Glasgow is defined by our shared commitment to rigorous, innovative and useful research.

Glasgow is internationally recognised for Sociology research that is informed by theory and explored through observation, experience and experiment. Key areas of expertise include:

- Crime, justice and security: work on national and global aspects of crime, criminal justice and punishment
- Inequalities: work on racism and anti-racism, disabilities, health and illness, gender and sexualities, work and the interrelationships between these issues
- Consumption and risk: work on various kinds of “risky” behaviour, including gambling and drug use
- Theoretical and cultural research: work aimed at the development of new theoretical insight, as well as historical and comparative cultural research, around questions of kinships, families and intimacy, and critical media research.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

### Antiquities Trafficking & Art Crime (online)

PgCert Online Distance Learning:

12 months part-time

This programme delves into the seedy grey market for looted and stolen cultural objects. By combining cutting-edge research from the fields of criminology, archaeology, art history, heritage studies and law, via discussion of compelling case studies, this course will allow you to explore the criminal networks that function in the area of art crime and what can be done to protect our past and our culture for the future.

 [donna.yates@glasgow.ac.uk](mailto:donna.yates@glasgow.ac.uk)

#### Programme structure

You will take three courses across three semesters (includes summer teaching). During each course you will investigate and present an art or antiquities crime case study, produce a portfolio-quality ‘digital artefact’ and write an essay for assessment. Depending on your needs and goals, you can take one of the courses individually or all three to achieve the qualification.

#### Core courses

- Antiquities trafficking
- Art crime
- Repatriation, recovery, return.

#### Career prospects

This programme complements careers in the museums and heritage sector, in law enforcement and security, in related fields of law, and in fine art and provenance research, and should qualify you to proceed to a full Masters degree in archaeology, heritage studies, museums studies, art history, criminology or other related discipline.

#### Why choose Glasgow?

- This is the only online art crime and illicit antiquities research programme currently available and is the first university-accredited postgraduate degree offered on this topic.
- You will be taught by leading academics in this field, who are members of the Trafficking Culture Project, the only academic research group devoted to the study of the illicit trafficking of cultural objects.

## Criminology

**MRes:** 12 months full-time; 24 months part-time

This programme introduces the theoretical and conceptual resources relevant to the study of crime, criminal justice and crime policy. It provides advanced training in social research methods.

✉ [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses which will provide you with in-depth knowledge of current criminological issues and refine your social research abilities. You will also apply your analytical and research skills to a specialised topic and produce a dissertation.

### Core courses

- Criminological theory in context
- Qualitative research methods
- Quantitative data analysis
- Research design.

### Optional courses may include:

- Antiquities trafficking
- Crime, media and popular culture
- Criminological perspectives on security and globalisation
- Gender, crime and criminal justice
- Offending lives: The consequences of criminal justice
- Punishment and in/justice
- The global criminal economy.

### Career prospects

This programme is an ideal pathway towards a PhD and a career in academia. It will also prepare you for a career in research or policy development; especially with those public agencies and voluntary organisations concerned with crime prevention and community safety.

### Why choose Glasgow?

- This programme will prepare you for a career as a researcher or for undertaking a PhD in criminological or criminal justice research. It is recognised for an Economic and Social Research Council 1+3 award through the Scottish Doctoral Training Centre.
- You will be taught by leading scholars from the Scottish Centre for Crime & Justice Research, a centre of excellence for criminology in the UK.

## Criminology & Criminal Justice

**MSc:** 12 months full-time; 24 months part-time

**PgDip:** 9 months full-time; 21 months part-time

Recognising the challenge for politicians, policymakers and practitioners in the criminal justice and criminal law fields, this programme addresses the complex problems that crime poses for contemporary societies.

✉ [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take two core and four optional courses, as well as submit a dissertation on a subject of your choice.

### Core courses

- Criminological theory in context
- Research design.

### Optional courses may include:

- Antiquities trafficking
- Crime, media and popular culture
- Criminological perspectives on security and globalisation
- Gender, crime and criminal justice
- Offending lives: The consequences of criminal justice
- Punishment and in/justice
- The global criminal economy.

### Career prospects

You will be well equipped for a career in public, private and third sector agencies concerned with crime prevention and community safety. The programme provides an excellent professional development choice for social workers and social work managers, prison governors or officers, police officers and lawyers.

### Why choose Glasgow?

- You will develop analytic and research skills, an interdisciplinary knowledge base, and a practical understanding of the settings in which crime and justice policies are devised and implemented.
- You will be taught by leading scholars from the Scottish Centre for Crime & Justice Research, a centre of excellence for criminology in the UK.

## Equality & Human Rights (MSc)

**MSc:** 12 months full-time; 24 months part-time

This programme offers a unique opportunity for you to gain knowledge about a wide range of equality issues and to think across the dimensions of inequality.

✉ [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take two core and four optional courses, as well as submit a dissertation.

### Core courses

- Equality and human rights
- Research design.

### Optional courses may include:

- A public social science
- Class and stratification
- Gender relations
- Improving health and social outcomes
- Racism and modernity
- Religion in society
- Sexualities and society
- The disabling society.

### Career prospects

This programme will provide useful background knowledge for careers in areas involving the negotiation of equality and implementation of human rights. This would include work with non-governmental organisations, equality and diversity groups, charities and government.

### Why choose Glasgow?

- The programme responds to radical changes in approaches to equalities and human rights in Scotland, the UK and beyond.
- Taught by a team of specialists from a range of areas of inequality, including gender, racism, sexuality, disability and faith, the programme looks at what equality and human rights mean and what practical steps can be taken to achieve them.

## Equality & Human Rights (MRes)

**MRes:** 12 months full-time; 24 months part-time

This programme examines equality and human rights in a social context, empirically and theoretically, while also providing advanced training in sociology and social science research methodology to fulfil Economic and Social Research Council (ESRC) postgraduate research training requirements.

✉ [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take five core and two optional courses and complete a dissertation.

### Core courses

- Advanced qualitative methods
- Equality and human rights
- Qualitative methods
- Quantitative data analysis
- Research design.

### Optional courses may include:

- A public social science
- Class and stratification
- Gender relations
- Improving health and social outcomes
- Racism and modernity
- Religion in society
- Sexualities and society
- The disabling society.

### Career prospects

The programme will provide you with initial expertise in equality and human rights as a foundation for a professional or research career.

### Why choose Glasgow?

- You will examine key debates and theories concerning equality and human rights and how they have influenced social policy and practice, develop a critical understanding of sociology and gain skills in quantitative and qualitative research methods.
- You will be taught research methods by expert staff from many disciplines within the College of Social Sciences. This means you benefit from a range of specialist knowledge and methodology.



## Global Migrations & Social Justice (MSc)

**MSc:** 12 months full-time; 24 months part-time

This programme provides a comprehensive introduction to understanding contemporary research on global migrations and social justice. Unique in Scotland, it addresses questions such as who moves and why, who is allowed to settle and where, and what are the roles of states, institutions and civil societies in these processes.

 [teresa.piacentini@glasgow.ac.uk](mailto:teresa.piacentini@glasgow.ac.uk)

### Programme structure

You will take three core and three optional courses as well as complete a dissertation or a practical project. Courses are delivered via lectures and seminars supported by appropriate multi-media material, such as monographs, videos, podcasts, journal articles, reports and survey data. Coursework will involve project work, workshops and field-based activities.

### Core courses

- Global migrations: histories, structures, experiences
- Public social science for social justice
- Research design.

### Optional courses may include:

- Access, equity, health
- Century of the refugee: refugees and statelessness in comparative perspective, 1900–2000
- Immigration and asylum law
- Migration, mobility and settlement: Post-Soviet migrations
- Migration, mobility and settlement: Central and East European migration to the UK and Scotland
- Racism and modernity
- Texts for diversity: language across learning for children with English as an additional language.

### Career prospects

On completing the programme, you will be equipped to apply your learning to a wide range of opportunities, working with policymaking bodies, local and national governments, community organisations, NGOs and third sector organisations. The emphasis on applied learning makes this programme relevant to a range of professional settings where graduates may be working with asylum seekers, refugees and migrants. It will also provide the necessary foundations for further study through doctoral research.

### Why choose Glasgow?

- The programme draws on recognised expertise in migration studies, sociology, anthropology, history, criminology, human geography, policy and politics and ethics, as well as a wide variety of country and regional expertise.
- You will gain access to cutting-edge academic research on migration with an emphasis on social justice and learning from non-academic work in this area.

## Global Migrations & Social Justice (MRes)

**MRes:** 12 months full-time; 24 months part-time

This programme examines global migrations and social justice by addressing questions such as who moves and why, who is allowed to settle and where, and what are the roles of states, institutions and civil societies in these processes. It provides advanced training in social science research methodology to fulfil Economic and Social Research Council (ESRC) postgraduate research training requirements.

 [teresa.piacentini@glasgow.ac.uk](mailto:teresa.piacentini@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course as well as complete a dissertation or a practical project.

### Core courses

- Global migrations: histories, structures, experiences.
- Public social science for social justice
- Research design
- Qualitative methods
- Quantitative data analysis.

### Optional courses may include:

- Access, equity, health
- Century of the refugee: refugees and statelessness in comparative perspective, 1900–2000
- Immigration and asylum law
- Migration, mobility and settlement: Post-Soviet migrations
- Migration, mobility and settlement: Central and East European migration to the UK and Scotland
- Racism and modernity
- Texts for diversity: language across learning for children with English as an additional language.

### Career prospects

On completing the programme, you will be equipped to apply your learning to a wide range of opportunities, working with policymaking bodies, local and national governments, community organisations, NGOs and third sector organisations. The emphasis on applied learning makes this programme relevant to a range of professional settings where graduates may be working with asylum seekers, refugees and migrants. It will also provide the necessary foundations for further study through doctoral research.

### Why choose Glasgow?

- The programme draws on recognised expertise in migration studies, sociology, anthropology, history, criminology, human geography, policy and politics and ethics, as well as a wide variety of country and regional expertise.
- You will gain access to cutting-edge academic research on migration with an emphasis on social justice and learning from non-academic work in this area.

## Media, Communications & International Journalism

**MSc:** 12 months full-time; 24 months part-time

This programme combines the latest in media, communications and audience theory, and research methodologies with the production and editorial skills that are required of the modern journalist. You can apply your understanding of the role of the media in society to your own journalistic output.

 [catherine.happer@glasgow.ac.uk](mailto:catherine.happer@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses, followed by a dissertation or research project. Courses are taught through a combination of lectures and seminars.

Practical skills in news-gathering and programme-making will be developed through seminars and workshops which will focus on the delivery of journalistic articles and features across media.

Assessment is based on individual written essays and assignments, as well as practical group work and individual projects.

### Core courses

- Media, communications and journalism: Criticism and theory
- Methods of social research
- Practical news journalism
- Researching audiences and the media.

### Optional courses may include:

- China's international politics
- Crime, media and popular culture
- Global economy
- Human rights and global politics
- International security and global politics
- Media and democracy
- Political institutions communication
- The media and regime transformation in CEE, Russia and the FSU
- Young people, social inclusion and change.

### Career prospects

The programme is aimed at those interested in pursuing careers in the public domain (journalism, public relations, factual TV and radio, government bodies, voluntary organisations, museums) where skills in media and communications are essential. However, a working and critical knowledge of media and communications is increasingly desirable in areas as diverse as health, education and finance.

### Why choose Glasgow?

- You will be taught by members of the Glasgow Media Group, which has an international reputation for pioneering research methods in media and communications.
- The Glasgow Media Group comprises industry-trained programme-makers and the programme includes a practical element related to transferable skills for employability.

## Sociology

**MSc:** 12 months full-time; 24 months part-time

This programme will provide you with an advanced introduction to sociology and you will develop a critical understanding of the discipline.

 [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take two core and four optional courses. You will also produce a sustained account of research in a chosen area, and conduct empirical research in that area, through a dissertation project.

### Core courses

- Current issues in social theory
- Research design.

### Optional courses may include:

- A public social science
- Class and stratification
- Gender relations
- Improving health and social outcomes
- Introduction to social theory for researchers
- Racism and modernity
- Religion in society
- Sexualities and society
- The disabling society.

You will need to take at least three courses from this list. One additional course may be chosen from other subjects within the School of Social & Political Sciences.

### Career prospects

By the end of the programme, you will possess a variety of skills useful in the contemporary labour market. These include critical thinking, appreciation of the impact of institutions, including how people mediate them, and the ability to conduct research and utilise data.

### Why choose Glasgow?

- This programme will develop your knowledge of the different theoretical and analytical approaches in sociology, together with knowledge of empirical studies in social research, while enabling you to focus in depth upon particular areas of sociology.
- You will also be given some research methods training.

## Sociology & Research Methods

**MRes:** 12 months full-time; 24 months part-time

This programme provides extensive training in social research methods and is recognised as postgraduate research training by the Economic and Social Research Council.

✉ [socpol-pgt@glasgow.ac.uk](mailto:socpol-pgt@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course and complete a dissertation.

#### Core courses

- Advanced qualitative methods
- Current issues in social theory
- Qualitative methods
- Quantitative data analysis
- Research design.

#### Optional courses may include:

- A public social science
- Class and stratification
- Gender relations
- Generalised linear models
- Improving health and social outcomes
- Introduction to social theory for researchers
- Racism and modernity
- Sexualities and society
- The disabling society.

### Career prospects

This programme enhances employability in a range of public and private sector organisations, which increasingly value skills in conducting and interpreting social research.

#### Why choose Glasgow?

- You will develop your knowledge of sociology, including a critical understanding of social theory and a knowledge of empirical research studies.
- The programme provides an advanced education in sociology, but can also serve as preparation for further sociological research at PhD level, to which many of our students successfully progress.

## Transnational Crime, Justice & Security

**MSc:** 12 months full-time; 24 months part-time

This programme considers pressing contemporary global issues from a criminological perspective, including organised crime, trafficking, terrorism and environmental crime.

✉ [alistair.fraser@glasgow.ac.uk](mailto:alistair.fraser@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses, as well as submit a dissertation.

#### Core courses

- Criminological perspectives on security and globalisation
- Criminological theory in context
- Research design
- The global criminal economy.

#### Optional courses may include:

- Antiquities trafficking
- Crime, media and popular culture
- Gender, crime and criminal justice
- Offending lives: The consequences of criminal justice
- Punishment and in/justice.

### Career prospects

You will be well equipped for a career in public, private and third sector agencies concerned with crime prevention policy and strategy, especially with international and cross-border agencies.

#### Why choose Glasgow?

- You will gain access to a wide range of potential careers and further academic pathways related to understanding international crime and developing strategies and policy for its prevention.
- You will be taught by leading scholars from the Scottish Centre for Crime & Justice Research, a centre of excellence for criminology in the UK.

## Research opportunities

We offer PhDs in the following research areas:

- Crime, justice and security: work on national and global aspects of crime, criminal justice and punishment
- Inequalities: work on racism and anti-racism, disabilities, health and illness, gender and sexualities, work and the interrelationships between these issues
- Consumption and risk: work on various kinds of “risky” behaviour, including gambling and drug use.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/sociology](http://glasgow.ac.uk/research/opportunities/subjects/sociology)

“Coming to Glasgow for my Masters programme was one of the best decisions I have made in my life so far. This programme was an ideal match for me and lived up to my expectations; a conglomerate (in the best sense) of fascinating disciplines around criminology, global security, and the foundations of research, it allowed me to pick topics according to my interests and career goals.”

**Daphne**

Transnational Crime, Justice & Security (MSc) graduate



## THEATRE STUDIES

Glasgow is an internationally recognised centre of excellence for the teaching, practice and research of Theatre Studies.

We make use of Glasgow's fantastic cultural resources, such as its theatres and touring companies, film and theatre venues, and creative organisations. On campus, our facilities include a theatre, a cinema, a video editing suite and a performance studio for students.

Our teaching methods combine theoretical, historical and practical approaches with the benefits of these excellent facilities. If you study with us, you will be taught in small seminar groups and supported to develop critical and creative skills that prepare you for a wide variety of careers.

It's no surprise that Glasgow is ranked 1st in the UK for Drama, Dance & Cinematics (Complete University Guide 2019).



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## Playwriting & Dramaturgy

MLitt: 12 months full-time; 24 months part-time

The Masters in Playwriting & Dramaturgy gives you a practical and theoretical engagement with the many forms of writing and production for theatre. The programme is designed for those wishing to develop playwriting skills and knowledge of script development and support, opening the way to many theatre roles, including dramaturgy.

[stephen.greer@glasgow.ac.uk](mailto:stephen.greer@glasgow.ac.uk)

### Programme structure

Our programme is the only one in Scotland that combines playwriting with dramaturgy. You will undertake core practical playwriting courses and core dramaturgy courses before choosing to specialise in one pathway.

A significant part of the programme is delivered by professional writers and dramaturges. This programme also includes the opportunity for playwrights to develop a major script, through workshops and staged readings with actors and directors.

Core teaching is followed by an independent desk- or practice-based project.

Our core courses introduce you to the foundations of both playwriting as a craft, and dramaturgy as a historical and contemporary practice. These courses will also prepare you to pursue doctoral study in the future.

### Courses include:

- Playwriting
- Dramaturgy: histories and practices
- Reading and interpreting performance
- Dramaturgical work placement
- Research methods
- Independent research project.

### Career prospects

The design of the Playwriting & Dramaturgy programme is intended to develop both the practical and critical skills of students. The role of the dramaturg is becoming increasingly recognised within the theatre industries, as is the capacity of playwrights to apply their skills and knowledge to other tasks. This programme aims to equip playwrights and potential dramaturges with knowledge of other writing roles in theatre. Graduates of this programme have gone on to become commissioned playwrights, production dramaturges, theatre critics, literary advisers, doctoral students, theatre makers and academics.

### Why choose Glasgow?

- Theatre Studies at Glasgow is one of the longest-established theatre programmes in the UK. Our internationally renowned reputation for research, practice and teaching ensures an ideal environment for the pursuit of Masters study.
- A significant part of the programme is delivered by professional writers and dramaturges, ensuring you engage with a wide variety of practices and that the programme content is relevant and up to date with the latest trends in theatre.

## Theatre & Performance Practices

MLitt: 12 months full-time; 24 months part-time

This Masters programme engages with a range of theatre and performance practices, explored in a critically informed context. The programme encompasses practices such as contemporary devising and production dramaturgy, harnessing digital technologies for performance, writing for performance, site-specific and locational performance, autobiographical performance, physical theatre(s) and socially/politically engaged practice. You will be taught by leading academics as well as external professional practitioners.

[graham.eatough@glasgow.ac.uk](mailto:graham.eatough@glasgow.ac.uk)

### Programme structure

The programme is designed to give you a practical and critical engagement with many forms of theatre and performance practice. You will be encouraged to develop a reflective, rigorous and critically informed approach to theatre practice, with the intention of enriching and enhancing your creative work and furthering your career as a theatre/performance practitioner.

You will take core courses and create a portfolio of optional courses according to your personal interests and perceived needs. The programme concludes with Practice as research project. This provides you with a degree of flexibility in relation to the focus of your advanced study. It permits further applied practice or the opportunity to undertake an in-depth written study on an area of your choice.

### Courses include:

- Research methods
- Contemporary devising practices
- Independent practice
- Debating dramaturgy
- Work placement
- Practice as research project.

You may be able to select some courses from across the College of Arts, enabling an interdisciplinary approach.

### Career prospects

This programme is ideal for practitioners who want to develop their practice; graduates who are planning a career in theatre making; and those who want to look in more depth into aspects of theatre practice they have enjoyed and benefited from through undergraduate studies. The programme also provides an excellent foundation for PhD studies and an academic career.

### Why choose Glasgow?

- The programme is delivered in collaboration with curators/programmers and theatre artists active in Glasgow's theatre/performance scene and beyond.
- A significant part of the programme is delivered by professional practitioners, ensuring the programme content is relevant and up to date with the latest trends in theatre.

## Theatre Studies

MLitt: 12 months full-time; 24 months part-time

This Masters programme engages with a wide variety of histories and practices attached to the study of theatre. It is designed to enable you to become proficient in the techniques of historical, sociological and theoretical analysis of the theatrical process, past and present. You will be taught by leading academics as well as external professional practitioners.

[stephen.greer@glasgow.ac.uk](mailto:stephen.greer@glasgow.ac.uk)

### Programme structure

The programme is mostly comprised of optional courses, enabling you to create your own Masters programme based on your individual needs and interests.

Core teaching is delivered in two semesters, followed by an independent desk- or practice-based project. The Independent Research Project provides an opportunity for you to create a research project that allows in-depth critical exploration of an area of interest.

### Core courses

- Research methods
- Independent research project.

### Optional courses

You will undertake five optional courses which are updated each year, but may include:

- Applied theatre
- Arts criticism
- Contemporary devising practices
- Debating dramaturgy
- Documentary drama
- Exhibiting cultures
- Festivals
- Interwar cultures
- Performance theory and analysis
- Playwriting
- Shakespearean adaptations
- Space, place and performance
- Theatre archive placement
- Work placement.

By the end of this programme you will have developed knowledge of a range of issues pertinent to the study of theatre, including historical, contemporary, theoretical and practical.

### Career prospects

This programme prepares you for a wide range of careers closely connected to theatre provision and production. It also provides a good foundation for those wishing to progress to doctoral study.

### Why choose Glasgow?

- Our facilities include a studio theatre and large flexible-seat theatre seating over 200 spectators.
- Glasgow is the base for a number of nationally significant theatre organisations, including the National Theatre of Scotland, the Playwrights' Studio Scotland and the Citizens Theatre.

[glasgow.ac.uk/subjects/theatre/postgraduate](https://glasgow.ac.uk/subjects/theatre/postgraduate)

## Research opportunities

We offer the following research study option, including, where appropriate, research through practice:

PhD, MLitt, MPhil, MRes.

Our research areas include:

- Dramaturgical practices/playwriting
- Contemporary European theatre/performance practices
- Live art/interdisciplinary arts practice
- Media and digital arts
- Ecology/environment/heritage
- History/historiography
- Queer/gender theory
- Social/political arts practices and theory.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/theatre](http://glasgow.ac.uk/research/opportunities/subjects/theatre)

## THEOLOGY & RELIGIOUS STUDIES

Theology or divinity has been taught at the University since its foundation in 1451.

Theology & Religious Studies incorporates academic and vocational teaching and research across monotheistic traditions (both religious and secularised), as well as their engagement with other world faiths.

All of our subjects can be studied from within or without a personal faith base. If you choose to study with us, you can benefit from our multidisciplinary approach and supportive environment for learning.

Glasgow has built its reputation for excellence in traditional fields of theology such as:

- Practical theology
- Modern systematic theology
- Hermeneutics
- Church history
- Catholic moral theology
- Biblical studies.

Additionally, Glasgow has a strong profile in Islam, Sufism, religion in modern Iran and Judaism.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Religion, Literature & Culture

MLitt/MTh: 12 months full-time; 24 months part-time

This programme provides a thorough and cutting-edge exploration of classic and contemporary debates in theology and religious studies, incorporating the latest scholarship in the field.

 [critstudies-pgenquiries@glasgow.ac.uk](mailto:critstudies-pgenquiries@glasgow.ac.uk)

### Programme structure

This programme is comprised of three core courses, three optional courses, a research skills course, and a compulsory dissertation of 12,000–15,000 words.

### Core courses

#### Semester 1:

- Reason, religion and culture
- Research skills course
- Optional course.

#### Semester 2:

- Reading, religion and culture
- Two optional courses.

### Optional courses may include:

- Bible, culture, and media
- Contemporary Scottish church and society
- Early, Medieval, Reformation and Scottish church history
- Exploring religion and existentialism
- Muhammad
- Pastoral theologies
- Political theologies
- Reading and writing as theological practice
- Reading Islam
- Religion and violence
- Selected texts from the New Testament
- The Holocaust and the ethics of representation
- Theological topics from the New Testament
- Women in the Bible.

You may be able to choose any of the other optional courses offered within the College of Arts. It is also possible to follow a course of directed study on a topic of your choice.

### Career prospects

You will gain a variety of skills and attributes that will equip you for a wide range of careers and for further academic study.

### Why choose Glasgow?

- You will have the opportunity to gain a comprehensive overview of the field and to develop an area of expertise.
- You will be taught by academics who are currently engaging in and shaping the international debates around the specialisations offered.



### Research opportunities

We offer the following research study options:

**PhD, Doctorate in Practical Theology, MLitt, MPhil, MRes.**

Our research areas include:

- Religion and politics
- Religion and culture
- Mysticism and spirituality
- Religion and identity
- Scripts, scriptures and textual analysis
- Applied theology and theory of religion.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/theologyreligious](http://glasgow.ac.uk/research/opportunities/subjects/theologyreligious)

### Theology Through Creative Practice

We also offer groundbreaking PhD and MPhil programmes in Theology Through Creative Practice, which recognise that new knowledge emerges through creative practice and that this often constitutes advanced research on issues of huge theological significance. They enable creative practitioners, in a wide variety of fields, to develop their own practice and critically reflect upon it in the context of Doctoral or Masters research. In these degree programmes, practice is embraced as research aim, research method and research outcome.

Candidates presenting themselves for a practice-based PhD or MPhil would present both a creative component and a critical component for examination. The creative component could explore religious/spiritual themes through a variety of mediums. The critical component would consist of an academically rigorous reflection upon the research process and its research significance within theology/religious studies. The length of this component would typically be between 25,000 and 40,000 words for a PhD and 10,000 and 15,000 words for an MPhil.

Please contact [anna.fisk@glasgow.ac.uk](mailto:anna.fisk@glasgow.ac.uk) for further information.

## URBAN STUDIES

Urban Studies at Glasgow is ranked top in the UK for Architecture, Built Environment and Planning (REF 2014).

We are proud that 50% of our research outputs were judged to be world-leading and 42% internationally excellent in REF 2014. Within the field of Urban Studies, research spans all aspects of social, economic and physical change in cities, and includes communities, governance, health, housing, inequalities, planning, transport and real estate.

If you choose to study Urban Studies at Glasgow, you will learn from academics considered leaders in their fields and gain vital practical knowledge for shaping places, strengthening communities and improving policymaking.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

### City Planning

**MSc:** 12 months full-time; 24 months part-time, up to 60 months on modular basis

This programme will deliver a highly regarded professional education in city planning. It has been developed in close consultation with the relevant professional, policy and business communities and is intended to provide an intensive fast-track entry to a professional career. You will have the opportunity to study city planning with a pathway specialism in either housing, international planning, regeneration, transport or urban design.

 [jamest.white@glasgow.ac.uk](mailto:jamest.white@glasgow.ac.uk)

#### Programme structure

You will take seven core courses, plus a selection of additional specialist core and optional courses based on your chosen pathway.

#### Core courses

- Contemporary planning systems
- Designing places
- Development economics
- Development process
- Governance and markets
- Professional practices, ethics and management
- Spatial planning strategies.

#### Housing

- Sustainable housing development
- Urban studies researching and the dissertation.

#### International planning

- International urban challenges OR Asian cities
- Urban studies researching and the dissertation.

#### Regeneration

- Regenerating cities
- Urban studies researching and the dissertation.

#### Transport

- Transport planning lab
- Transport planning methods
- Transport studies.

#### Urban design

- Urban design policy and practice.

#### Career prospects

As a graduate you will be in possession of an MSc degree recognised by the Royal Town Planning Institute (RTPI) and can develop your career as a chartered town planner. Opportunities exist in planning and development agencies and consultancies, property developers, housebuilders, local authorities, regeneration and development agencies and the civil service.

#### Why choose Glasgow?

- This programme is intended to prepare you for a career as a chartered town planner, and as a member of the RTPI.
- There is significant input from industry to our teaching programme. There are also informal opportunities to meet people from industry at open events and recruitment presentations.

[glasgow.ac.uk/subjects/urbanstudies/postgraduate](http://glasgow.ac.uk/subjects/urbanstudies/postgraduate)

## City Planning & Real Estate Development

**MSc:** 12 months full-time; 24 months part-time, up to 60 months on modular basis

This programme will deliver a highly regarded professional education in city planning and real estate development. It has been developed in close consultation with the relevant professional, policy and business communities and is intended to provide an intensive fast-track entry to a professional career.

 [jamest.white@glasgow.ac.uk](mailto:jamest.white@glasgow.ac.uk)

### Programme structure

You will take a series of core courses and undertake a dissertation or a major project in planning and real estate development.

Core courses provide you with a grounding in core knowledge and skills required of planners and surveyors working within the planning and development field. Subjects covered include planning and real estate development processes, real estate economics, valuation and development appraisal and spatial planning strategies.

#### Core courses

- Contemporary planning systems
- Designing places
- Development appraisal for real estate surveyors
- Development process
- Governance and markets
- Professional practices, ethics and management
- Property law for real estate surveyors
- Spatial planning strategies
- Real estate markets
- Real estate valuation and appraisal
- Urban studies researching and the dissertation.

Courses are assessed by a mix of continuous methods to enable you to develop a suitable balance of planning and real estate development competencies. They will involve you attending lectures, seminars and tutorials and taking part in project, IT lab, field and team work.

### Career prospects

As a graduate you will be in possession of an MSc degree recognised by the Royal Institution of Chartered Surveyors (RICS) and the Royal Town Planning Institute (RTPI). You can develop your career as a chartered town planner, chartered surveyor, or both.

#### Why choose Glasgow?

- If you want to establish a career as a chartered town planner and/or chartered surveyor, this programme is designed for you.
- The programme is professionally accredited by the Royal Institution of Chartered Surveyors (RICS) and the Royal Town Planning Institute (RTPI).

## Housing Studies

**MSc:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time; 21 months part-time

This programme allows you to examine the national and international contexts for the development of housing systems, policies and practices. It provides a framework for discussing the development, financing and management of housing with an emphasis on social rented housing in the UK. If you are working or seeking to work in the social housing sector in the UK, this programme is ideal for you.

 [nigel.springs@glasgow.ac.uk](mailto:nigel.springs@glasgow.ac.uk)

### Programme structure

The programme is structured around core and optional courses, many of which are shared with other programmes within Urban Studies, facilitating interaction with professionals seeking qualifications in related fields. For part-time students the programme is designed assuming one day a week attendance over two years; for full-time students these two teaching days are attended over one year. Those undertaking the MSc will also need to submit a dissertation as a piece of independent research.

#### Core courses

- Foundations of housing management
- Housing businesses
- Housing contexts
- Reflective practice in housing
- Scottish housing law
- Understanding housing markets
- Urban studies researching and the dissertation.

#### Optional courses may include:

- Evidence evaluation and policy
- Governance and markets
- Housing inequality and society
- International urban challenges
- Regenerating cities
- Sustainable housing development
- Sustainable urban futures
- Urban design policy and practice (MSc only).

### Career prospects

Career opportunities exist within local government, housing associations and charities engaged in housing management practice. There are additional opportunities in the voluntary sector such as housing law, advice and campaigning. The statutory sector also has a range of housing policy roles (central and local government).

#### Why choose Glasgow?

- The programme is validated by the Chartered Institute of Housing (CIH), and can meet all the academic requirements for membership of the professional body for those with work experience.
- The programme is very flexible and you can complete the courses through full-time, part-time or modular study.

## International Real Estate & Management

**MSc:** 12 months full-time; 24 months part-time, up to 60 months on modular basis

This programme provides you with a detailed understanding of the global real estate industry and modern business principles, techniques and contextual conditions. The programme is tailored for those who anticipate a career with international professional real estate service advisers or corporate real estate management.

 [tunbosun.oyedokun@glasgow.ac.uk](mailto:tunbosun.oyedokun@glasgow.ac.uk)

### Programme structure

You will take a series of core courses and optional courses, and undertake a dissertation. Core courses in semester 1 use lectures, seminars, tutorials and case studies to focus on urban development and planning theories, principles and policies. In semester 2, activities and assessments, field and team work, in addition to project and IT lab skills, will further develop your core real estate and management skills.

#### Core courses

- Development appraisal for real estate surveyors
- Development process
- International real estate analysis
- Managing strategic change
- Professional practice, ethics and management
- Project management
- Real estate valuation and appraisal
- Real estate markets
- Strategic real estate management
- Urban studies researching and the dissertation.

#### Optional courses may include:

- Development economics
- Marketing management
- Operations management
- Principles and application of GIS
- Real estate finance and investment.

### Career prospects

There is a high demand for corporate real estate managers who can act on their own initiative, make decisive financial decisions, show leadership potential and adapt to changing circumstances. As a graduate of this programme, these are the kinds of attributes we would expect you to possess.

#### Why choose Glasgow?

- If you want to establish a career as a chartered surveyor, primarily as a member of the Management Consultancy or Commercial Property Professional Groups of the Royal Institution of Chartered Surveyors (RICS), this programme is designed for you.
- You will understand how real estate can support the core activities of any organisation and be able to make informed financial decisions through the application of real estate valuation and appraisal techniques.

## Public & Urban Policy

**MSc:** 12 months full-time; 24 months part-time  
**PgDip:** 9 months full-time; 21 months part-time

This programme is designed for people interested in how policy decisions are made and how they impact on the real world. There is a focus on urban issues nationally and globally, and opportunities to study other significant public policy fields.

 [amini.kamete@glasgow.ac.uk](mailto:amini.kamete@glasgow.ac.uk)

### Programme structure

The programme combines a mix of core courses with a range of options offered to allow flexibility for you to develop your own interests and specialism. Throughout the programme there is an emphasis on practical problems and acting in the real-world. This is reinforced by contributions from senior, experienced practitioners and policymakers from a broad range of organisations, who enhance understanding of real-world problems and solutions. It is delivered over two semesters, followed by a dissertation in which you can research a topic in more depth. All assessments are extended written assignments – there are no exams.

#### Core courses

- Evidence, evaluation and policy
- Governance and markets
- Research design OR Qualitative methods
- Sustainable urban futures
- Understanding public policy.

#### Optional courses may include:

- Big data and urban analytics
- Community empowerment and engagement
- Foundations of housing management practice
- Housing inequality and society
- International urban challenges
- Principles and application of GIS
- Regenerating cities
- Sustainable housing development
- Understanding health policy
- Urban design policy and practice.

### Career prospects

Career opportunities include working within central or local government or public or voluntary sector in a policymaking or evaluation role. You would also be equipped to proceed to a PhD in a policy-related subject.

#### Why choose Glasgow?

- Glasgow is an inspiring place to study problems of public and urban policy, both as a laboratory of many profound challenges, and providing many examples of leading and innovative approaches to tackling such issues.
- The programme involves expert contributions from those working in a range of policy fields and field trips to study policy initiatives on the ground.



## Public Policy & Management

**MSc:** 12 months full-time; 24 months part-time

**PgDip:** 9 months full-time; 21 months part-time

This programme combines courses that examine the policymaking process, policy analysis and evaluation and real-world public policy challenges, with professional management courses. It aims to develop future public sector leaders who understand the organisational contexts and challenges that face governments.

 [amini.kamete@glasgow.ac.uk](mailto:amini.kamete@glasgow.ac.uk)

### Programme structure

This programme combines core courses in public policy and management with a range of options, designed to allow you to develop expertise in core public policy fields. Over the summer months, you will complete a dissertation in which you can research an issue of interest to you in more depth.

### Core courses

- Evaluation, evidence and policy
- Managing innovation and creativity
- Managing strategic change
- Project management
- Research design OR Qualitative methods
- Understanding public policy.

### Optional courses may include:

- Community empowerment and engagement
- Governance and markets
- Housing, inequality and society
- International urban challenges
- Regenerating cities
- Sustainable housing development
- Understanding health policy.

### Career prospects

Career opportunities include working within central or local government, policy advice and development roles, or policy evaluation and assessment. Core management skills equip you for a wide range of roles across the private and public sector.

### Why choose Glasgow?

- Glasgow is an inspiring place to study problems of public and urban policy, both as a laboratory of many profound challenges, and providing many examples of leading and innovative approaches to tackling such issues.
- You will benefit from professional management courses, delivered by the triple accredited Adam Smith Business School, providing an insight into practical challenges facing all successful organisations.

## Public Policy Research

**MRes:** 12 months full-time; 24 months part-time

This programme provides you with an excellent grounding in social science research methods and theory and in contemporary public policy analytical processes. It is ideally suited to those wishing to undertake a PhD or to work in public/third or private sector organisations.

 [amini.kamete@glasgow.ac.uk](mailto:amini.kamete@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course, and complete a dissertation. Teaching is delivered through lectures and seminars, but may also include lab work, input from policy/practice experts and, in some cases, UK field trips.

### Core courses

- Evidence, evaluation and policy
- Qualitative research methods
- Quantitative data analysis
- Research design
- Understanding public policy.

### Optional courses may include:

- Advanced qualitative methods
- Introduction to social theory for researchers.

Additional courses from the School of Social & Political Science or College of Social Sciences may be chosen, as approved by the programme director.

### Career prospects

The programme aims to provide a strong foundation for advanced research in public policy, in the context both of careers in the public and voluntary sectors, and especially of further studies to PhD level. You will have fully met the research training requirements of the UK Economic and Social Research Council and the Social Sciences Graduate School for doctoral students.

### Why choose Glasgow?

- Studying public policy theory and practice within the urban setting of Glasgow allows for direct engagement with many of the most pressing public policy problems of our time and with the types of solutions being developed to combat these.
- Our programme is recognised by the Scottish Graduate School, which oversees the allocation of ESRC studentships.

## Real Estate (MSc)

**MSc:** 12 months full-time; 24 months part-time,

up to 60 months on modular basis

This programme delivers a highly regarded professional education in real estate. It has been developed in close consultation with the relevant professional, policy and business communities and is intended to provide an intensive fast-track entry to a professional career. You will have the opportunity to study real estate with a specialism in either housing, international real estate, finance and investment, or regeneration to enable you to tailor your degree to a specific area of real estate surveying.

 [tunbosun.oyedokun@glasgow.ac.uk](mailto:tunbosun.oyedokun@glasgow.ac.uk)

### Programme structure

You will take nine core courses, plus a selection of additional specialist core and optional courses based on your chosen pathway.

### Core courses

- Advanced real estate valuation and appraisal
- Development appraisal for real estate surveyors
- Development process
- Professional practice, ethics and management
- Property law for real estate surveyors
- Real estate finance and investment
- Real estate markets
- Real estate valuation and appraisal
- Urban studies researching and the dissertation.

### Housing

- Foundations of housing management practice
- Scottish housing law.

### International Real Estate

- International real estate analysis OR Asian cities.

### Real Estate Finance and Investment

- Corporate finance.

### Regeneration

- Regenerating cities
- Real estate valuation and appraisal.

### Career prospects

As a graduate you will be in possession of an MSc degree recognised by the Royal Institution of Chartered Surveyors (RICS) and can develop your career as a chartered surveyor.

### Why choose Glasgow?

- If you plan a career as a chartered surveyor, primarily as a member of the Commercial Property or Valuation or Property Finance and Investment Professional Groups of the Royal Institution of Chartered Surveyors (RICS), this programme is made for you.
- The programme is professionally accredited by the RICS.

## Real Estate (PgCert)

**PgCert:** up to 48 months on modular basis

The programme provides you with a comprehensive and professionally focused overview of the industry. If you are already in real estate and want to extend your knowledge and understanding of the industry through reflective and structured Continuing Professional Development (CPD) learning, this programme is for you.

 [tunbosun.oyedokun@glasgow.ac.uk](mailto:tunbosun.oyedokun@glasgow.ac.uk)

### Programme structure

You will take four core and two optional courses. This programme is intended to provide a recognised university qualification for practitioners who wish to extend their knowledge and understanding through reflective and structured CPD learning. It is also a good first step if you want to make a start in this industry, or it may serve as a launch pad for less experienced students into the range of MSc programmes in Real Estate, Planning & Regeneration.

### Core courses

- Development appraisal for real estate surveyors
- Development process
- Real estate markets
- Real estate valuation and appraisal.

### Optional courses

- Advanced real estate evaluation and appraisal
- Professional practice, ethics and management
- Property law for real estate surveyors
- Real estate finance and investment.

### Career prospects

Career opportunities exist in real estate development, investment and management.

### Why choose Glasgow?

- There is significant input from industry to our teaching programme, including teaching on some courses, guest lectures and seminars. There are also informal opportunities to meet people from industry at open events and recruitment presentations.
- You can gain this qualification in a manner that works best with your professional commitments, either through one year of full-time study or on a modular basis over two or more years.

## Spatial Planning

**PgCert:** 12 months full-time; up to 48 months part-time (on a modular basis)

This programme aims to help you acquire a broad foundation of knowledge in spatial planning, from which more detailed or specialist study can be developed, and to relate academic thinking and research at the forefront of spatial planning to your own experience, whether at work or otherwise.

 [jamest.white@glasgow.ac.uk](mailto:jamest.white@glasgow.ac.uk)

### Programme structure

You will take three core courses and choose from a range of optional courses. Courses will involve you attending lectures, seminars and tutorials and taking part in project, lab, field and team work.

Core courses will provide you with an understanding of the fundamental concepts in planning and apply them to particular case studies.

### Core courses

- Contemporary planning systems
- Governance and markets
- Spatial planning strategies.

### Optional courses may include:

- Designing places
- Development process
- Professional practice, ethics and management.

### Career prospects

Career opportunities include positions in local and national government and private sector consultancies in spatial planning, development management and regeneration.

### Why choose Glasgow?

- There is significant input from industry to our teaching programme, including teaching on some courses, guest lectures and seminars. There are also informal opportunities to meet people from industry at open events and recruitment presentations.
- If you satisfy the progression requirements, this qualification provides an entrance route to the MSc City Planning.

## Urban Analytics

**MSc:** 12 months full-time; 24 months part-time

Around the world, city governments are realising the growing importance of harnessing the power of urban big data. This programme will provide you with the knowledge and skills to design and conduct appropriate analyses, and experience of working with cutting-edge datasets.

 [jing.yao@glasgow.ac.uk](mailto:jing.yao@glasgow.ac.uk)

### Programme structure

You will take five core and two to four optional courses, as well as submit a research-based dissertation. Knowledge-focused courses introduce you to the context for urban planning and policymaking. Skills-focused courses on statistical methods, Geographic Information Systems (GIS) or programming will give the opportunity to use a variety of real-world datasets. Courses are delivered via a mix of lectures, tutorials, supervised computing lab sessions and small group work.

### Core courses

- Big data and urban analytics
- Principles and applications of GIS
- Programming tools for urban analytics
- Quantitative data analysis
- Sustainable urban futures.

### Optional courses may include:

- Evidence and evaluation for policy
- Programming with GIS
- Regenerating cities
- Transport studies
- Transport planning methods
- Transport planning lab
- Urban analytics group project
- Urban design policy and practice.

### Career prospects

The practical knowledge and hands-on skills taught as a part of the programme are applicable worldwide. You will have the chance to learn about new emerging forms of urban big data and analytical skills, which will equip you with unique advantages in the global job market. Career opportunities include positions in government agencies, urban planning organisations, city governments, public health boards, retail business, real estate companies, transport and other private consulting firms, as well as non-profit organisations.

### Why choose Glasgow?

- The programme will provide you with a critical appreciation of the potential for big data and urban analytics to inform urban planning and policymaking, as well as an understanding of practical and ethical limitations.
- It offers hands-on experience of a range of statistical and GIS software, and of the use of programming tools to capture, process and analyse data.

## Urban Research

**MRes:** 12 months full-time; 24 months part-time

This programme will provide you with an excellent grounding in social science research methods and theory and in the theoretical and policy debates around urban space and place. It is ideally suited to those wishing to undertake a PhD or to work in public/third or private sector organisations within a research or policy role.

 [amini.kamete@glasgow.ac.uk](mailto:amini.kamete@glasgow.ac.uk)

### Programme structure

You will take five core courses and one optional course, and complete an independent research project. Teaching is delivered through lectures and seminars, but may also include lab work, input from policy/practice experts and, in some cases, UK field trips.

### Core courses

- International urban challenges OR Regenerating cities
- Qualitative methods
- Quantitative data analysis
- Research design
- Sustainable urban futures.

### Optional courses may include:

- Applied qualitative methods
- Big data and urban analytics
- Introduction to social theory for researchers
- Principles and applications of GIS.

Additional courses from the School of Social & Political Science or College of Social Sciences may be chosen, as approved by the programme director.

### Career prospects

The programme aims to provide a strong foundation for advanced research in urban studies, in the context both of careers in the public and voluntary sectors, and especially of further studies to PhD level. You will have fully met the research training requirements of the UK Economic and Social Research Council and the Social Sciences Graduate School for doctoral students.

### Why choose Glasgow?

- Studying urban research within the setting of Glasgow allows for direct engagement with many of the most pressing urban problems of our time and with the types of solutions being developed to combat these.
- Our programme is recognised by the Scottish Graduate School, which oversees the allocation of ESRC studentships.

## Urban Studies

**PgCert:** 6 months full-time; 7–24 months part-time

This certificate offers a Masters-level, flexible introduction to key issues in contemporary cities and debates in urban scholarship. It allows you to select from a range of courses on offer in a leading centre of urban research and teaching.

 [annette.hastings@glasgow.ac.uk](mailto:annette.hastings@glasgow.ac.uk)

### Programme structure

Full-time students will be enrolled for either semester 1 or semester 2 and can select courses amounting to 60 credits from those on offer in the semester in which they are registered. Part-time students can select any combination of courses up to the value of 60 credits from the full range offered during their period of study. Courses are delivered via lectures and seminars. Some courses include field trips, contributions by external speakers, case studies and projects. There may be opportunities for group work and/or individual presentations depending on the courses selected.

### Semester 1 courses may include:

- Big data and urban analytics
- Development economics
- Development process
- Governance and markets
- Housing business
- Housing contexts
- Real estate valuation and appraisal
- Transport studies
- Understanding housing markets.

### Semester 2 courses may include:

- Advanced real estate valuation and appraisal
- Community empowerment and engagement
- Evidence, evaluation and policy
- Housing, inequality and society
- International real estate analysis
- International real estate markets
- Real estate finance and investment
- Regenerating cities
- Spatial planning strategies
- Transport planning lab
- Urban design policy and practice.

### Career prospects

Career opportunities include working within central or local government, or the public or voluntary sector, in a policymaking or evaluation role.

### Why choose Glasgow?

- You can choose from courses in the fields of urban and public policy, real estate, planning, regeneration, transportation and housing.
- Successful completion provides a route to Masters study for students without prior degree-level qualification.



## Urban Transport

**MSc:** 12 months full-time; 24 months part-time

This programme offers a comprehensive academic approach to a career in one of the most salient and pressing issues in contemporary urban areas: how to provide safe, inclusive, environmentally friendly and efficient transport systems. The degree is designed to ensure that you become familiar with multiple approaches to planning and managing urban transport systems. The programme will provide you with the theory and methods as well as practical knowledge to be employed in governmental organisations and private sector consultancies.

 [jinhyun.hong@glasgow.ac.uk](mailto:jinhyun.hong@glasgow.ac.uk)

### Programme structure

You will take seven core courses and one optional course. Key courses on transport will be followed by lab sessions where practical lessons on the use of highly specialised software will be given in the form of either independent or group projects. You will be expected to submit essays and lab reports as part of your course assessment and a dissertation at the end of the programme.

### Core courses

- MPH introduction to statistical methods
- Principles and application of GIS
- Project management
- Theory and principles of sustainability
- Transport planning lab
- Transport planning methods
- Transport studies.

### Optional courses may include:

- International urban challenges
- Spatial planning strategies.

### Career prospects

Career opportunities include positions in government agencies, urban planning organisations, city governments, transport and other private consulting firms, and non-profit organisations. The practical knowledge and hands-on skills taught as a part of the programme are applicable worldwide. You will have the chance to learn about new emerging forms of transport data and analytical skills that will make you a strong candidate for jobs. These specialist skills will give you unprecedented advantage in the global and UK job market.

### Why choose Glasgow?

- The programme will help you understand stakeholders and connections with energy, environment, housing, land-use, economic development, labour markets and related sectors as well as the technical planning process.
- The focus will be on multiple modes of urban transport – roads, public transport, active transport and emerging shared and intermodal transport – enabling you to design highly innovative urban transport solutions.

## Research opportunities

We offer PhDs in the following research areas:

- Housing
- Labour markets
- Systems of governance
- Health
- Crime
- Education
- Real estate
- Planning
- The environment.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/research/opportunities/subjects/urbanplanning](http://glasgow.ac.uk/research/opportunities/subjects/urbanplanning)

## VETERINARY MEDICINE

Glasgow is a global centre for veterinary medicine excellence, attracting students, researchers and clinicians from around the world.

Our internationally accredited school provides an expert referral centre, via the Small Animal Hospital, the Weipers Centre for Equine Welfare and the Scottish Centre for Production Animal Health & Welfare for animal owners and referring practitioners throughout the UK.

Veterinary medicine research at Glasgow has had lasting impacts in the animal welfare industry and charities, global health bodies and government policymaking, and a broad range of commercial industry. Key areas of research excellence include:

- Infectious disease
- Comparative medicine and biology
- Clinical veterinary science.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](http://glasgow.ac.uk/postgraduate/apply)

## Advanced Practice in Veterinary Nursing (online)

**MSc Online Distance Learning:**

36 months part-time

**PgDip Online Distance Learning:**

24 months part-time

**PgCert Online Distance Learning:**

12 months part-time

This programme provides a framework for postgraduate study which offers both UK and international Registered Veterinary Nurses (RVNs) the opportunity to advance their knowledge, improve research skills and practice evidence-based veterinary nursing. This fully online programme is part-time. It should be noted, however, that each 20-credit course per semester requires 200 hours of student learning through lectures, reading, discussion forums, activities and assignments.

 [mvlis-vetnurse@glasgow.ac.uk](mailto:mvlis-vetnurse@glasgow.ac.uk)

### Programme structure

The MSc Advanced Practice in Veterinary Nursing comprises three components:

### PG Cert - Year 1 (3 x 20 credit core courses)

- Research and evidence-based veterinary nursing
- Clinical governance in veterinary medicine
- Developing evidence-based practice through reflection.

### PG Diploma - Year 2 (3 x 20 credit courses)

- Introduction to statistical methods (core course)
- Teaching and assessment in veterinary nursing (semester 2 optional course)
- Promoting best practice in veterinary nursing (semester 2 optional course)
- Animal and veterinary ethics (semester 3 optional course)
- Introduction to veterinary business studies (semester 3 optional course).

### MSc - Year 3 (1 x 60 credit core course)

- Dissertation.

### Career prospects

This programme meets the demand for the preparation of both specialised and extended role practitioners, and will develop your knowledge, skills and confidence in order for you to pursue a career related to Advanced Practice in Veterinary Nursing, such as referral nurse, head nurse, practice manager, educator or researcher.

### Why choose Glasgow?

- This is the first fully online postgraduate qualification designed specifically for RVNs currently delivered in Scotland. The part-time and online nature of the programme means it is ideally suited to individuals who are in full-time employment.
- Veterinary Medicine at Glasgow is ranked 1st in the UK (Complete University Guide 2019).

[glasgow.ac.uk/subjects/veterinary/postgraduate](http://glasgow.ac.uk/subjects/veterinary/postgraduate)

For entry requirements, see page 30. For fees and funding, see page 32.

## One Health (online)

### MSc Online Distance Learning:

36 months part-time

### PgDip Online Distance Learning:

24 months part-time

### PgCert Online Distance Learning:

12 months part-time

The One Health concept recognises the interconnectedness of human, animal and ecosystem health. A One Health approach involves applying a coordinated, collaborative, multidisciplinary and cross-sectoral approach to address potential or existing risks that originate at the animal-human-ecosystems interface.

 [mvls-onehealth@glasgow.ac.uk](mailto:mvls-onehealth@glasgow.ac.uk)

### Programme structure

This programme is modular in structure, offering a flexible student-centred approach to the choice of courses studied and number of credits obtained.

#### Core courses

- Introduction to One Health
- Zoonoses and infectious disease
- Introduction to epidemiology
- Research methods (MSc students only)
- Dissertation (MSc students only).

#### Optional courses

- Global veterinary medicine
- Globalisation of public health
- Veterinary epidemiology: methods in surveillance and field investigation
- Veterinary public health and service delivery
- Infectious disease control
- Wildlife and livestock management
- Ecological principles
- Health economics
- Health promotion: principles and practice
- Health technology assessment in a global context.

### Career prospects

Graduates may establish careers as frontline healthcare providers, for example as developers and implementers of prevention and treatment programmes. Graduates may be employed by international health organisations, local agencies, government agencies or non-governmental organisations, or establish careers in the academic sector.

#### Why choose Glasgow?

- The One Health concept is gaining momentum worldwide and early adoption of it is putting the University of Glasgow at the forefront of teaching and learning within the One Health framework.
- The flexible, online delivery of this programme by world researchers and clinicians allows you to study from anywhere across the globe.

## Wildlife & Livestock Management (online)

### MSc Online Distance Learning:

36 months part-time

### PgDip Online Distance Learning:

24 months part-time

### PgCert Online Distance Learning:

12 months part-time

Humans are dependent on and live in close proximity with their livestock, and the interfaces of livestock with wildlife are permeable and complex. This programme addresses a clear need to integrate ecological disciplines with studies of disease in wildlife, livestock and human populations, with concepts of land management, livestock production and wildlife management.

 [mvls-wlm@glasgow.ac.uk](mailto:mvls-wlm@glasgow.ac.uk)

### Programme structure

The aims of the programme are to:

- integrate ecological disciplines with studies of disease in wildlife, livestock and human populations with basic concepts of land management, livestock production and wildlife management
- comprehensively examine the factors that influence the management of wildlife and livestock species, including human culture and the physical environment
- provide training in the use of analytical tools for wildlife, livestock and land management.

### Career prospects

This programme will suit those who need to broaden their knowledge and skills to improve their employability in organisations that have a mandate to provide services to diverse stakeholders in complex systems. Veterinarians in government agencies with wide-ranging responsibilities, in conservation organisations and in NGOs would find this particularly useful.

#### Why choose Glasgow?

- You can carry out a research project in an internationally recognised centre of excellence, working with world-leading researchers in animal science and ecology.
- This programme is unique in its approach to the "One Health" concept. Whereas most programmes in this domain examine animal and human health, this programme broadens the concept to include environment and land management, both of which are major drivers of the health of wildlife, livestock and the humans that depend on them.

## Research opportunities

We offer PhDs in the following research areas:

- Veterinary epidemiology
- Advanced veterinary diagnostic imaging
- Equine infectious disease
- Equine, ruminant and poultry nutrition
- Veterinary microbiology
- Small animal endocrinology, nutrition and obesity
- Veterinary reproduction
- Veterinary neurology
- Veterinary oncology
- Veterinary pathology
- Veterinary public health
- Small animal cardiology.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

Examples of recent PhDs include radiographic and pathological studies of feline appendicular osteoarthritis, and physical activity and sedentary behaviour in humans and pet dogs.

For more information, visit [glasgow.ac.uk/schools/vet/whystudyatglasgow/postgraduate](http://glasgow.ac.uk/schools/vet/whystudyatglasgow/postgraduate)



# WAR STUDIES

The University is the home of the Scottish Centre for War Studies.

The Scottish Centre for War Studies was established to promote research in, and understanding of, war and conflict in all its aspects. It is based within the subject of History in the School of Humanities but it seeks to develop links across a range of related subjects and encourages interdisciplinarity. With contributions from a wide-ranging group of scholars, including visiting specialists, the Centre presents a unique opportunity to study the theory and practice of war and conflict, from causes to consequences, in a wide range of aspects and settings, from the Middle Ages to the present day, from Britain and Europe to the Americas and the Near and Far East. The Centre's term-time research seminars give students the opportunity to develop insights and understanding from the latest research in diverse aspects of the subject.



For information on how to apply, see page 30 or visit [glasgow.ac.uk/postgraduate/apply](https://glasgow.ac.uk/postgraduate/apply)

## War Studies

MLitt: 12 months full-time; 24 months part-time

An understanding of war, for good or ill, is of vital importance. This programme offers the opportunity to study the theory and practice of war in a wide range of aspects, from the Middle Ages to the present day, and from causes to consequences.

[humanities-pg@glasgow.ac.uk](mailto:humanities-pg@glasgow.ac.uk)

### Programme structure

You will spend the first semester studying the degree's intensive 60-credit core course, Theory and reality in Western warfare. This team-taught course will introduce you to major thinkers on warfare and allow you to explore the manner in which the practice and conduct of war have evolved. Course content is updated annually to reflect our staff's research expertise. Topics have included:

- Vegetius and "Vegetian strategy" in medieval warfare
- The early modern "Military Revolution"
- The wars of the French Revolution
- "Celtic warfare" in Gaelic Scotland and Ireland
- Clausewitz and warfare in Europe in the 19th century
- Europe's "small wars" of the 19th century
- The evolution of military thought from World War I to World War II
- "Revolutionary warfare" and decolonisation.

In the second semester, you will take three optional courses which delve in greater detail into a particular aspect of the history of war and violent conflict.

### Optional courses may include:

- Chivalry and warfare in later medieval Europe, 1300–1450
- British battlefields
- Modern warfare
- The wars of decolonisation and the making of the Global Cold War
- Insurgency and counter-insurgency, 1800–present
- Western intelligence in an age of terror.

You will complete the programme by writing a dissertation based on your own research. This requires you to engage in original research guided by an expert in the field.

### Career prospects

The programme provides an excellent platform for you to move on to PhD studies but the knowledge and skills acquired are also highly transferable to other professions. Positions held by recent graduates include development director, correspondent and freelance journalist. Others have worked in the armed services, the diplomatic service or for a diverse range of IGOs and NGOs.

### Why choose Glasgow?

The University of Glasgow is home to the Scottish Centre for War Studies. You will be able to participate in regular research seminars on critical themes related to conflict as well as attending conferences.

## Research opportunities

We offer a PhD in War Studies.

You may want to identify a potential supervisor and contact him or her to discuss your research proposal before you apply.

For more information, visit [glasgow.ac.uk/humanities/warstudies](https://glasgow.ac.uk/humanities/warstudies)

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Ross

War Studies (MLitt) student

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# FURTHER INFORMATION

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