GeoSciences
Postgraduate Opportunities 2019

Influencing the world since 1583
“Edinburgh isn’t so much a city, more a way of life … I doubt I’ll ever tire of exploring Edinburgh, on foot or in print.”

Ian Rankin
Best-selling author and alumnus
Influencing the world since 1583

For more than 400 years the University of Edinburgh has been changing the world. Our staff and students have explored space, won Nobel Prizes and revolutionised surgery. They’ve published era-defining books, run the country, made life-saving breakthroughs and laid the foundations to solve the mysteries of the universe.

Our distinguished alumni include NASA astronaut Piers Sellers, former MI5 Director-General Dame Stella Rimington, Olympians Sir Chris Hoy and Katherine Grainger and historical greats such as philosopher David Hume, suffragist Chrystal Macmillan, who founded the Women’s International League for Peace and Freedom, and physicist and mathematician James Clerk Maxwell.

International collaboration
An internationally renowned centre for academic excellence, we forge world-class collaborations with partners such as the California Institute of Technology (Caltech), Stanford University, the University of Melbourne, Peking University, the University of Delhi and the University of KwaZulu-Natal. As a member of the League of European Research Universities and the Coimbra Group, we link up with leading institutions across Europe.

Linking research and commerce
We were one of the first UK universities to develop commercial links with industry, government and the professions. Edinburgh Innovations promotes and commercialises our research excellence and can assist you in taking the first step to market, through collaborative research, licensing technology or consultancy.

Enhancing your career
We are committed to embedding employability in your University experience and have an impressive track record for graduate employment. From volunteering schemes to our sector-leading careers service, we provide you with opportunities to develop your skills, knowledge and experience, giving you an edge in the competitive job market.

* Times Higher Education, Overall Ranking of Institutions
† Times Higher Education, Global Employability University Ranking 2017
‡ Times Higher Education: The World’s Most International Universities 2017
Taught masters programmes

As the largest grouping of geoscientists in the UK, we are uniquely placed to offer 19 innovative taught masters programmes and certificates spanning a wide spectrum of the geosciences field.

The range of master of science (MSc) programmes we offer seeks to address societal needs and the global challenges facing the world today. We pay close attention to changes in markets and in public policy, and to new science and technology, ensuring our offering is up to date and that our programmes are designed with the ever-changing needs of our students at the forefront of our minds. We have recently launched MSc programmes in Applied Geoscience (Geoenergy), Sustainable Plant Health, and Energy, Society & Sustainability, as well as an online learning opportunity in Carbon Management. Our MSc programmes benefit from a wide range of research activities being undertaken within the School that are clustered around Carbon Management, Energy & Climate, and Societal & Environmental Challenges, and the online version of our award-winning MSc Carbon Management is flexible options if you prefer to study at home because of professional or family commitments.

Online learning

The University of Edinburgh is one of the largest providers of online postgraduate programmes in the UK’s Russell Group. Just like our on-campus provision, all of our online programmes are delivered by dedicated academics, many of whom are leaders in their field. Our postgraduate certificates (PgCert) in Climate Change Management, Carbon Innovation, Global Environment Challenges, and the online version of our award-winning MSc Carbon Management are flexible options if you prefer to study at home because of professional or family commitments.

Field trips

A number of our programmes incorporate residential field trips and day excursions that really enhance your learning experience and enable you to put valuable research and vocational skills into practice. Recent field work destinations have included the Maldives (MSc Marine Systems & Policy), southern Africa (MSc Ecological Economics), Morocco (MSc Environmental Protection & Management) and Malaysia (MSc Food Security) as well as more local field trips to destinations around Scotland.

Dissertation

After completing the taught component of your programme, you will complete a dissertation. With direction from your Programme Director and dissertation supervisor, you will be encouraged to develop your own research focus or select from a range of unique projects made available by academic staff from across the School and through links with industry partners and external organisations. The School offers publication prizes for the top dissertations each year and encourages publication of high quality dissertation work in academic journals.

Collaborations

The city of Edinburgh is a hub for the geosciences with a high concentration of businesses and other organisations working in the field. Our taught programmes are strengthened through collaborations with a range of internal and external partners, including University of Edinburgh schools such as the Business School, the School of History, Classics & Archaeology and the School of Social & Political Science, and Scotland’s Rural College (SRUC).

The majority of our taught masters programmes enjoy an affiliation with the University’s Global Environment & Society Academy (www.ed.ac.uk/global-environment-society) and with the Global Academy of Agriculture and Food Security (www.ed.ac.uk/global-agriculture-food-security).

We are privileged to host lecturers by representatives from government, business and civil society, who contribute to our programmes, courses and dissertation supervision, providing you with the skills and contacts needed to fulfil your ambitions.

Each year the University hosts a Research Practitioner Mixer event designed to attract potential new MSc graduates and provide them with an insight into the type of work that our graduates have been doing. This event is targeted at final year students and recent graduates, who are looking to gain an insight into the diverse and rewarding world of research.

Career opportunities

This programme will train you in the use of subsurface geological knowledge for future geoenergy applications. This will open a diverse range of career pathways in geoenergy technologies and the disposal of energy-related wastes. These include radioactive waste disposal; carbon capture and storage; geothermal energy and subsurface storage including compressed air energy and hydrogen storage. Other pathways include the monitoring of environmental and regulatory aspects of geoenergy and the prevention of pollution to ground water resources through the tracking of subsurface fluids.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ internationalgraduate-entry), in a science or engineering subject. We will also take any relevant professional experience into account where appropriate. Evidence of mathematical ability is required.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

www.ed.ac.uk/pg/944

Carbon Innovation

PgCert 1 yr PT

Programme description

This programme is aimed at students who would like to pursue a geoenergy-related career in the future energy sector, as it transitions from dependence on fossil fuels to low carbon alternatives. Our aim is to offer a programme that capitalises on subsurface (geochemical) knowledge to assist in this transition, opening a diverse range of career pathways in future geoenergy technologies, the disposal of energy-related wastes and the evolving hydrocarbon industry.

The programme builds on the strength and reputation of the research groups within the School of Geosciences, which specialise in the use of the subsurface for geoenergy applications. These include: carbon capture and storage (CCS); radioactive waste disposal (energy storage and extraction); unconventional and conventional hydrocarbons; wet and dry geothermal heat; and subsurface fluid tracing using noble gases and stable isotopes.

Programme structure

This programme includes a series of taught courses and a dissertation.

COMPULSORY COURSES PROPOSED INCLUDE:

- Future Geoenergy Resources; Applied Hydrogeology and Near-surface Geophysics; Hydrogeology 2; Environmental Geochemistry; Project Design and Literature Analysis; Carbon Storage and Monitoring; Dissipation in Applied Geoenergy; Carbon Management; plus, depending on your background, either: Subsurface Reservoir Quality; or Geochemistry for Resources and Hydrocarbons.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses: Ore Mineralogy, Petrology & Geochemistry; Seismic Reflection Interpretation; Environmental Problems and Issues; Nuclear Waste Management; Principles, Policies & Practice.

Career opportunities

This programme will train you in the use of subsurface geological knowledge for future geoenergy applications. This will open a diverse range of career pathways in geoenergy technologies and the disposal of energy-related wastes. These include radioactive waste disposal; carbon capture and storage; geothermal energy and subsurface energy storage including compressed air energy and hydrogen storage. Other pathways include the monitoring of environmental and regulatory aspects of geoenergy and the prevention of pollution to ground water resources through the tracking of subsurface fluids.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ internationalgraduate-entry), in a science or engineering subject. We will also take any relevant professional experience into account where appropriate. Evidence of mathematical ability is required.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

Programme Director

Dr Mark Wilkinson

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Carbon Management

MSc 1 yr FT (2-3 yrs PT available for UK/EU students)

Programme description
This MSc is a landmark collaboration between the University’s world-renowned Schools of Geosciences and Economics and the Business School. It provides you with the expertise, knowledge and skills in the business, economics and science of carbon management. Carbon management is now at the heart of tackling climate change and has rapidly become a central part of the global business environment. Edinburgh has emerged as one of the most important global centres in this new discipline. This innovative programme, taught by world leading experts in key fields of climate change and carbon management, is for graduates who want an advanced academic qualification to launch careers in carbon and climate change management in business or government.

Programme structure
This programme includes two semesters of taught courses, balancing lectures, seminars, workshops and visits, and dissertation project work.

RECOMMENDED OPTION COURSES
In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered: Global Strategic Management; Issues and Perspectives; Base-line and Credit Method and Applications; Corporate Responsibility & Governance in a Global Context; Low Carbon and Green Investment; Applications in Ecological Economics; Environmental Impact Assessment; Forests and Environment; Water Resource Management: Waste Reduction and Recycling; Energy & Society; EU and National Climate Change Law; Interrelationships in Food Systems; Novel Strategies for Carbon Storage in Soil; Marine Infrastructure and Environmental Change; Innovation in Sustainable Food Systems.

Career opportunities
A key strength of this MSc is the employability of our graduates. The programme, which won the PricewaterhouseCoopers award for ‘Teaching Employable Skills’, provides the opportunity to conduct business carbon audits and dissertation research as part of work-based projects with a range of external collaborators. The 2015 Paris Agreement gave rise to a huge demand for those who can combine scientific, technical, economic and social understanding and skills in the areas of carbon management and climate change. It is that ability to combine technical and socioeconomic understanding and knowledge which this MSc cultivates. Our graduates enjoy roles from government employees and NGO researchers, to renewable energy project developers and commercial carbon management consultants. The MSc also provides a grounding for postgraduate research, such as a PhD. To see where some of our alumni are working, visit: www.ed.ac.uk/geosciences/msc-carbon-management

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ international/graduate-entry), in economics, management, social sciences, physical sciences, geology, geography, environmental sciences, astronomy, biology, health sciences, chemistry, earth sciences, physics, engineering, business administration, or accounting and finance.

English language requirements
See page 28.

Fees and funding
For fees see page 28 and for funding information see page 30.

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The University of Edinburgh

Key: FT: Full time. PT: Part time.

Carbon Management

MSc 3 yrs PT (2 yrs accelerated study)
Pgdip 2 yrs PT (1 yr accelerated study)

Programme description
Our online MSc Carbon Management is a groundbreaking development of the award-winning campus-based MSc Carbon Management programme. Building on the proven success and content of the established residential programme, this new online programme provides you with high level knowledge, skills and training in the business, economics and science of carbon management. The programme is designed for graduates who want an advanced academic qualification in tackling climate change management by business, industry, NGOs and government, with the flexibility that online learning provides. The programme is affiliated with the University’s Global Environment & Society Academy (GESAS); www.ed.ac.uk/global-environment-society

Programme structure
The programme is organised into three component certificates:
• PgCert Climate Change Management
• PgCert Carbon Innovation
• Applied Carbon Methods (you must successfully complete both other certificates before taking this final component)
You will graduate with the postgraduate diploma if you take only the first two components.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:
Climate Change Impacts and Adaptation; Business and Climate Change; Carbon Economics; Climate Change Management; Applied Carbon Methods; Dissertation.

Studying online
As a student of one of our online programmes, you will:
• have the flexibility to study when most convenient for you;
• be able to study from anywhere with an internet connection;
• have access to all University services and relevant academics;
• become part of a rich and varied online community; and
• learn the latest developments from people working at the leading edge in your field.
To try our Virtual Learning Environment, please visit our demo: http://demo.climatemanagement.ed.ac.uk

Career opportunities
Through our existing MSc Carbon Management programme we boast excellent relationships with sector-relevant employers, as well as a great alumni network covering more than 25 countries. This provides unrivalled opportunities to collaborate on research projects and find new positions in the field of carbon management. The main employment opportunities for our graduates are in climate change consultancy, renewable energy and carbon management project development, or as government or non-governmental organisation (NGO) climate change advisors. Several of our graduates are now studying for climate change focused PhDs.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ international/graduate-entry) in any subject. We will also take any professional experience into account.

English language requirements
See page 28.

Fees and funding
For fees see page 28 and for funding information see page 30.

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www.ed.ac.uk/geozone

The University of Edinburgh

www.ed.ac.uk/geosciences

Key: FT: Full time. PT: Part time.
Programme description
Based upon our highly successful on-campus MSc Carbon Management (see page 6), this online programme utilises a blend of interactive content, videos, virtual case studies and online discussions to explore the science and business responses to climate change. We examine the leading ways in which this global challenge can be addressed, covering adaptation and mitigation solutions across a wide range of sectors and regions. The programme is designed for those who have a passion for tackling climate change and who require the flexibility that online learning provides.

This programme is affiliated with the University’s Global Environment & Society Academy (GESA); www.ed.ac.uk/global-environment-society

Programme structure
The programme comprises three compulsory courses that move from the science of climate change and its impacts, through the key adaptation and mitigation solutions, to examination of the business response to climate change, and the risks and opportunities it presents. This certificate may be studied as a standalone qualification. Alternatively it may form one third of the online MSc Carbon Management, or half of the new online diploma in Carbon Management.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:
- Climate Change Impacts & Adaptation
- Climate Change Mitigation
- Climate Change & Corporate Responsibility.

Studying online
As a student of one of our online programmes, you will:
- have the flexibility to study when most convenient for you;
- be able to study from anywhere with an internet connection;
- have access to all University services and relevant academic content;
- become part of a rich and varied online community; and
- learn the latest developments from people working at the leading edge in your field.

To try our Virtual Learning Environment, please visit our demo:
http://demo.climate.ed.ac.uk

Career opportunities
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Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in any subject. We will also take any professional experience into account.

English language requirements
See page 28.

Fees and funding
For fees see page 29 and for funding information see page 30.

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www.ed.ac.uk/pg/875
Climate Change Management
PgCert 1 yr PT

The University of Edinburgh GeoSciences Postgraduate Opportunities 2019

www.ed.ac.uk/pg/874
Earth Observation & Geoinformation Management
MSc 1 yr FT (2 yrs or 3 yrs PT available for UK/EU students)
Taught masters programmes

It focuses on how to make sustainability and environmental management work in practice by applying ecological principles. Graduates of this postgraduate training are in greater demand than ever before.

Programme structure
You will learn through lectures, group work, applied data collection/analysis, informal group discussion, games and individual study, as well as the spring study tour. After two semesters of taught courses, you will begin work on your dissertation. You will be able to choose from a wide selection of option courses to suit individual interests and career goals.

COMPELLARY COURSES PREVIOUSLY INCLUDED:
- Foundations in Ecological Economics: Applications in Ecological Economics; Environmental Valuation; Ecological Economics: Field Methods in Research and Practice; Dissertation.

RECOMMENDED OPTION COURSES
In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered:
- Semester 1: Ecosystems and Global Change; Principles of Environmental Sustainability; Marine Systems and Policies; Atmospheric Quality and Global Change; Encountering Citizens: Introduction to Spatial Analysis; Principles of GIS: Frameworks to Address Food Security; Distributed GIS. Semester 2: Environmental Governance; Forests and Environment; Marine Infrastructure and Environmental Change; Participation in Policy and Planning; Waste Reduction and Recycling; Environmental Impact Assessment; Water Resource Management; Political Ecology; Energy and Society; Case Studies in Sustainable Development; Sustainability of Food Production; Understanding Environment and Development.

Field trip
To experience the application of ecological economics principles, concepts, and methods first hand, we offer a unique 8-10 day trip, usually overseas and usually to eastern or southern Africa (previous destinations have included Kenya, Tanzania and South Africa).

Career opportunities
Identifying ecological-economic problems, and applying ecological principles and methods to solve them, is increasingly in demand. Our graduates work in a variety of sectors such as environmental consultancies, international and governmental agencies; NGOs; financial institutions; multinationals; environmental education and research. Recent graduates are now in roles such as environmental analyst, researcher, landscape consultant, agricultural economics modeler and resource economist, for employers such as DEFRA, Carbon360, Conservation International, Scottish Water and ADAS. It is also possible for graduates to progress to doctoral research.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry). We may also consider a UK 2:2 honours degree, or its international equivalent, with appropriate work experience.

English language requirements
See page 29.

Fees and funding
For fees see page 29 and for funding information see page 30.

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www.ed.ac.uk/pg/29

www.ed.ac.uk/pg/30

Energy, Society & Sustainability

MSc 1 yr FT (2 yrs or 3 yrs PT available for UK/EU students)

Programme description
The world faces an energy trilemma – how to achieve energy security, energy equity and environmental sustainability. This MSc will equip you with an understanding of low carbon technologies, policies and markets, focused on analysis of social, societal and environmental dimensions of energy transitions. You will examine how citizens are involved in and are affected by changes in energy systems, relate supply-side issues to geopolitics and political economy, study energy demand in relation to broader social, economic and sustainable consumption, and explore smart ICT’s potential to affect consumption and inform sustainable living. Scotland is a world leader in renewable electricity generation [wind and marine] but is economically dependent on declining North Sea oil and gas, with high energy poverty. This offers cases on links between global and local issues, best practice and sustainable energy management.

Programme structure
You will develop transdisciplinary perspectives on the energy trilemma and integrative qualitative and quantitative analytical skills.

COMPELLARY COURSES PROPOSED INCLUDE:
- Energy & Society; 1: Key Themes and Issues; Energy in the Global South; Energy & Society II: Methods and applications; Energy Policy and Politics; Dissertation.

RECOMMENDED OPTION COURSES
Options are in six thematic areas: public policy; low carbon technology and economics; environmental sustainability; development and poverty alleviation; social studies of technology and environmental politics. We previously offered: Technologies for Sustainable Energy AND Energy and Environmental Issues; Applications in Ecological Economics; Global Environment: Key Issues; Global Environmental Politics; Politics, Energy and Society; Governance, Development and Poverty in Africa; Principles of Sustainable Development: Climate Change Management; Climate Change Management; Case Studies in Sustainable Development; Science, Knowledge and Expertise; Development, Science and Technology; Human Dimensions of Environmental Sustainability; Environmental Policies: In Science and Technology; Economic Issues in Public Policy; Political Issues in Public Policy.

Career opportunities
UK research councils cite a major skills gap in the energy sector, one of the biggest growth sectors in our economy in recent years. Demand is high for sound evidence on behavioural change, public engagement with energy issues, and policy making on demand and commercial investments in low carbon energy generation. You will translate complex science into effective policies and business opportunities. We are committed to helping you meet prospective employers and network within the field. Our links with government departments, energy relevant NGOs and key industry players who want to make use of these skills, allow us to organise careers events and dissertations conducted with external partners.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry). We may also consider a UK 2:2 honours degree, or its international equivalent, with relevant work experience, a strong personal statement and supportive reference; please contact us to check before you apply.

English language requirements
See page 28.

Fees and funding
For fees see page 28 and for funding information see page 30.

Programme Director
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www.ed.ac.uk/pg/934

www.ed.ac.uk/geosciences

Environment & Development

MSc 1 yr FT (2 yrs or 3 yrs PT available for UK/EU students)

Programme description
This is an exciting postgraduate programme that explores the interdependencies between pressing environmental concerns and demands of economic growth and development. It draws on key theoretical concepts and empirical evidence related to these global agendas from an informed theoretical perspective, with an abiding concern for social justice claims and praxis. This interdisciplinary programme draws on expertise from across the University, especially from development geography, social and political sciences and environmental studies, providing a unique critical perspective.

The programme is affiliated with the University’s Global Development Academy: www.ed.ac.uk/global-development

Programme structure
This MSc comprises two compulsory and four option courses, balancing lectures, seminars, workshops and visits, followed by a dissertation.

COMPELLARY COURSES PREVIOUSLY OFFERED INCLUDE:
- Understanding Environment and Development: Development: Principles and Practices; Research and Practice; Fieldwork; Dissertation.

RECOMMENDED OPTION COURSES
In consultation with your Personal Tutor, you will choose from a range of option courses. We have previously offered: Atmospheric Quality and Global Change; Development, Science and Technology; Displacement and Development: Issues in Public Policy; Ecosystem Services 1: Ecosystems and Global Change; Energy & Society 1: Key Themes and Issues; Environmental Valuation; Forests and Environment; Frameworks to Address Food Security; Principles of Environmental Sustainability; Anthropology and Environment; Anthropology of Global Health; Case Studies in Sustainable Development; Corporate Social Responsibility and the Law; Critical Perspectives on Mental Health and Wellbeing in the Global South; Energy Policy and Politics; Environmental Impact Assessment; Gender and Development; Global Environmental Politics; Human Dimensions of Environmental Change and Sustainability; International Political Economy; International Security; Interpreting Development: Institutions and Practices; Participation in Policy and Planning; Political Ecology; Sustainability of Food Production; The Impact of Oil and Money; Waste Reduction and Recycling; Water Resource Management.

Career opportunities
This programme is suitable for students seeking roles within international and national development agencies, think tanks, NGOs, environmental consultancies or the private sector, or those going on to PhD research. Recent graduates have found roles as ecologists and environmentalists and in sustainable agriculture and aquaculture.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry). We may also consider a UK 2:2 honours degree, or its international equivalent, with relevant work experience, a strong personal statement and supportive reference.

English language requirements
See page 28.

Fees and funding
For fees see page 28 and for funding information see page 30.

Programme Director
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The University of Edinburgh
Geosciences Postgraduate Opportunities 2019
Environmental Sustainability

MSc 1 yr FT (2 or 3 yrs PT available for UK/EU students)

Programme description

This course explores these amongst other related, topical questions. How can the needs of the world's growing population be met without threatening the ecological processes that support human wellbeing? How can the environment and energy systems be restructured to combat climate change? What policies foster sustainability? How can the necessary changes in the behaviour of organisations and individuals be promoted?

This programme explores these amongst other related, topical questions. In particular, the programme will be enlivened to think across different disciplines to blend scientific, socio-economic and policy perspectives for a deeper understanding of sustainability and how it can be achieved. This integrated and holistic understanding is attractive to organisations which promote sustainable development or seek to reduce humanity's impact on the environment. Edinburgh is attractive to organisations seeking to influence or inform environmental sustainability debates offering access to existing case studies and networking.

Programme structure

This programme comprises six taught courses and a dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:
- Principles of Environmental Sustainability
- Case Studies in Sustainable Development
- Dissertation

RECOMMENDED OPTION COURSES

In consultation with your Personal Tutor, you will choose from a range of option courses. We have previously offered: Atmospheric and Global Change, Climate Change and Corporate Strategy, Energy and Society, and Global Change, Environmental Impact Assessment, Environmental Modelling, Carbon Capture and Transport; Encountering Cities; Environmental Geochemistry, Foundations in Ecological Economics, Human Dimensions of Environmental Change and Sustainability, Principles of Environmental Sustainability, Understanding Environment and Development, and Global Change.

Field trip

An integral, week-long study tour lets you refresh skills learned on the programme and develop new tools and techniques, useful during your dissertation and subsequent career. The tour is currently held in Imlil, in the Atlas Mountains in Morocco. In addition to the formal taught component, there are opportunities to experience the local culture in Marrakech and Imlil. There may also be a short tour during induction week, to allow you to get to know your fellow students and visit the Highlands of Scotland.

Career opportunities

You will be well placed for further environmental consultancy, national and local government, non-profit organisations, education or research. Your choice of option courses and dissertation project can be used to tailor your studies to your intended career path. Recent graduates are employed in sustainability-related roles by organisations such as AMEC, Caradale Ewing, EON, ERM, EDF, Friends of the Earth, the German Council for Sustainable Development, Global Justice Now, Institute for European Environmental Policy, International Energy Agency, London Borough of Southwark, Marine Conservation Society, Northumbrian Water Group, OECD, Ofgem, PwC UK, John Muir Trust, The Scottish Government, Transport for London, UNCCD secretariat, World Resources Institute and Zero Waste Scotland.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ international/graduate-entry). We may also consider a UK 2:2 honours degree, or its international equivalent, with relevant industry experience. We have previously offered Atmospheric and Global Change, Climate Change and Corporate Strategy, Energy and Society, Environmental Impact Assessment, Environmental Modelling, Carbon Capture and Transport; Encountering Cities; Environmental Geochemistry, Foundations in Ecological Economics, Human Dimensions of Environmental Change and Sustainability, Principles of Environmental Sustainability, Understanding Environment and Development, and Global Change.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

Programme Director

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Geographical Information Science

MSC 1 yr FT (2 yrs or 3 yrs PT available for UK/EU students)

Programme description

This successful geographical information science (GIS) programme was the first of its type in the world and has a heritage of almost 30 years. The programme is continually refreshed to keep abreast of latest technological changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends. Accredited by the Royal Institute of Chartered Surveyors, it offers expert understanding of the latest changes and industry trends.

Programme structure

This programme comprises two semesters of taught courses, delivered through lectures and seminars, and a dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

- Spatial Modelling and Analysis; Research Practice and Project Planning; Technological Infrastructures for GIS; Dissertation.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered:

Active Remote Sensing; Radar and Lidar; Advanced Spatial Database Methods; Atmospheric Quality and Global Change; Business Geographics; Case Studies in Sustainable Development; Ecosystem Services 1: Ecosystems and Global Change; Ecosystem Services 2: Environmental Governance; Environmental Impact Assessment; Introduction to Environmental Modelling; Marine Systems and Policies; Passive Earth Observation; New Platforms, Sensors, and Analytical Methods; Principles and Practice of Remote Sensing; Principles of Geographical Information Science; Technologies for Sustainable Energy; Water Resource Management.

Field trip

There is a field trip to Highland Perthshire in October, focusing on project management and techniques for capturing geospatial information.

Career opportunities

Demand for GIS expertise is growing at an unprecedented rate and our internationally recognised programme is held in high regard by employers. A distinctive Scottish Flavour, and you will benefit from the guidance of internationally recognised staff. The programme provides the pedagogy of Edinburgh’s GIS expertise with a long-established reputation in archaeological teaching and research. You will gain a broad understanding of the use of GIS in archaeological surveying, research and analysis and be equipped with the analytical and communication skills necessary to work in this vibrant area. Demand for the application of GIS in GIS archaeology is growing at an unprecedented rate, including searching for new archaeological sites, determining the societal context of existing sites and examining the interplay between successive occupations of a site. The proven ability of our GIS graduates in employment means our programme is held in high regard by a wide range of employers.

Programme structure

The programme is organised into two semesters of taught courses, delivered through lectures and seminars, after which you will work towards your individual dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

- GIS and Spatial Analysis for Archaeologists; Research Practice and Project Planning; Spatial Modelling and Analytical Dissertation.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered:

Active Remote Sensing; Radar and Lidar; Business Geographics; Exploring the Past with Data Science; Passive Earth Observation: New Platforms, Sensors, and Analytical Methods; Principles and Practice of Remote Sensing; Principles of Geographical Information Science; Quantitative Methods and Reasoning in Archaeology; Space, Place and Time: the Archaeology of Built Environments; Technological Infrastructures for GIS; The Scottish Lowlands: Archaeology and Landscape before the Normans; Wildlife Ecology.

Field trip

There is a field trip to Highland Perthshire in October, focusing on project management and techniques for capturing geospatial information.

Career opportunities

Graduates will be able to continue to study or pursue a career in surveying, illustration and 3D visualisation, digital archiving, heritage management, terrain modelling, database management, geomorphic or consultancy. Our GIS graduates have worked in both public and private sector organisations, including Historic Scotland, English Heritage, the Royal Commission on the Ancient and Historical Monuments of Scotland, thinkWhere (formerly Forth Valley GIS) and CFA Archaeology.

Entry requirements

A UK 2.1 honours degree, or its international equivalent (www.ed.ac.uk/internationalgraduate-entry). We may also consider a UK 2:2 honours degree, or its international equivalent, with relevant industry experience.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

Programme Director

Dr Neil Stuart

Tel +44 (0)131 650 2549

Email n.stuart@ed.ac.uk

Geographical Information Science & Archaeology

MSC 1 yr FT (2 or 3 yrs PT available for UK/EU students)

Programme description

This programme offers you the chance to develop a detailed understanding of the application of geographical information science (GIS) and related technologies within the field of archaeology. The programme has a distinctive Scottish Flavour, and you will benefit from the guidance of internationally recognised staff. The programme provides the pedagogy of Edinburgh’s GIS expertise with a long-established reputation in archaeological teaching and research. You will gain a broad understanding of the use of GIS in archaeological surveying, research and analysis and be equipped with the analytical and communication skills necessary to work in this vibrant area. Demand for the application of GIS in GIS archaeology is growing at an unprecedented rate, including searching for new archaeological sites, determining the societal context of existing sites and examining the interplay between successive occupations of a site. The proven ability of our GIS graduates in employment means our programme is held in high regard by a wide range of employers.

Programme structure

The programme is organised into two semesters of taught courses, delivered through lectures and seminars, after which you will work towards your individual dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

- GIS and Spatial Analysis for Archaeologists; Research Practice and Project Planning; Spatial Modelling and Analytical Dissertation.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered:

Active Remote Sensing; Radar and Lidar; Business Geographics; Exploring the Past with Data Science; Passive Earth Observation: New Platforms, Sensors, and Analytical Methods; Principles and Practice of Remote Sensing; Principles of Geographical Information Science; Quantitative Methods and Reasoning in Archaeology; Space, Place and Time: the Archaeology of Built Environments; Technological Infrastructures for GIS; The Scottish Lowlands: Archaeology and Landscape before the Normans; Wildlife Ecology.

Field trip

There is a field trip to Highland Perthshire in October, focusing on project management and techniques for capturing geospatial information.

Career opportunities

Graduates will be able to continue to study or pursue a career in surveying, illustration and 3D visualisation, digital archiving, heritage management, terrain modelling, database management, geomorphic or consultancy. Our GIS graduates have worked in both public and private sector organisations, including Historic Scotland, English Heritage, the Royal Commission on the Ancient and Historical Monuments of Scotland, thinkWhere (formerly Forth Valley GIS) and CFA Archaeology.

Entry requirements

A UK 2.1 honours degree, or its international equivalent (www.ed.ac.uk/internationalgraduate-entry). We may also consider a UK 2:2 honours degree, or its international equivalent, with relevant industry or business experience.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

Programme Director

Dr Neil Stuart

Tel +44 (0)131 650 2549

Email n.stuart@ed.ac.uk

Global Environment Challenges

PgCert 9 mths or 1 yr FT (2 yrs PT)

Programme description

This programme is split into three taught courses, which are delivered through an exciting mixture of online modes, including video lectures, study guides, self-directed and guided reading as well as a range of interactive online reflection and discursive activities. Due to the highly flexible nature of this certificate, it is ideal if you want to gain a further qualification with minimum interruption to your work or family commitments. By introducing you to a virtual learning environment, you will develop your IT skills and make contact with fellow students from across the world.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

- Global Environment Challenges; Climate Change Mitigation; Ecosystems Values and Management; Environmental Governance.

MSc GLOBAL CHALLENGES

This PgCert may form one third of an MSc in Global Challenges, with Global Health Challenges and Global Development Challenges making up the other two thirds. More information: www.ed.ac.uk/pg923

Career opportunities

This certificate will equip you with the knowledge and skills needed for work with governments, NGOs, international aid organisations, United Nations agencies, the private sector, universities and other research institutions.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/internationalgraduate-entry), in any subject. We will also take any professional experience into account.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

Programme Director

Dr Peter Alexander

Email peter.alexander@ed.ac.uk

Visit the University of Edinburgh GeoSciences Postgraduate Opportunities 2019
Taught masters programmes

www.ed.ac.uk/geoosciences

Key: FT: Full time. PT: Part time.

The University of Edinburgh
Geosciences Postgraduate Opportunities 2019

www.ed.ac.uk/pg/872

Marine Systems & Policies

MSc 1 yr FT (2 yrs or 3 yrs PT available for UK/EU students)

Programme description

Taught in collaboration with Scotland’s Rural College. This programme provides a strong foundation for work with international agencies, academics, policy makers, and NGOs. These are employers that seek candidates with an integrated understanding of marine ecosystems, and the practical management frameworks aiming for sustainable ocean development including marine spatial planning.

Programme structure

The programme involves two semesters of taught courses, field trips, and a dissertation-style research project.

COMPELLARY COURSES PREVIOUSLY OFFERED INCLUDE:

- Marine Systems and Policies; Coral in a Changing Ocean; Marine Infrastructure and Environmental Change; Marine Field Methods in Research and Practice; Research Project in Marine Systems and Policies;
- Marine Field Methods in Research and Practice;
- Environmental Impact Assessment; Studies in Sustainable Development; Ecosystem Services 1: Ecosystems and Services; Ecosystem Services 2: Human Dimensions of Environmental Change and Sustainability; Human Dimensions of Environmental Change and Sustainability; Interrelationships in Food Systems; Land Use/Environmental Interactions; Principles of Geographic Information Science; Principles and Practice of Remote Sensing.

Field trips

An international field trip to a tropical marine setting is part of this programme’s research methods compulsory course. The field trip will take place in early January. It has previously been to the Maldives.

Career opportunities

This MSc provides a strong foundation for work with international agencies, academic research, marine sectors of government bodies, industry, marine-focused think tanks, and NGOs. These are employers that seek candidates with an integrated understanding of marine ecosystems, and the practical management frameworks aiming for sustainable ocean development including marine spatial planning.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ international/graduate-entry), in natural sciences or social sciences, but with clear evidence of experience and interest in marine topics.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

Programme Director

Dr Leanne Henry
Tel: +44 (0)131 650 5425
Email: leanneHenry@ed.ac.uk

www.ed.ac.uk/pg/781

Soils & Sustainability

MSc 1 yr FT (2 yrs or 3 yrs PT available for UK/EU students)

Programme description

Taught in collaboration with Scotland’s Rural College. This programme provides a strong foundation for work with international agencies, academic research, marine sectors of government bodies, industry, marine-focused think tanks, and NGOs. These are employers that seek candidates with an integrated understanding of marine ecosystems, and the practical management frameworks aiming for sustainable ocean development including marine spatial planning.

Programme structure

The programme involves two semesters of taught courses, field trips, and a dissertation-style research project.

COMPELLARY COURSES PREVIOUSLY OFFERED INCLUDE:

- Soil Protection and Management; Soil Science Concepts and Application; Soil Ecology and Taxonomy; Professional and Research Skills in Practice; Dissertation.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you can choose from a shortlist of optional courses. We have previously offered: Agricultural Economics; Atmospheric and Global Change; Case Studies in Sustainable Development; Ecosystem Services 1: Ecosystems and Global Change; Ecosystem Services 2: Human Dimensions of Environmental Change and Sustainability; Interrelationships in Food Systems; Land Use/Environmental Interactions; Principles of Environmental Sustainability; Soil Ecology and Taxonomy; Soil Protection and Management; Soil Science Concepts and Application; Sustainability of Food Production; Understanding Environment and Development.

Field trip

A week-long study tour provides an opportunity to see principles of sustainable plant health applied in a real world setting. The study tour is currently held in Poland. A short field trip takes place during induction and compulsory courses include field visits.

Career opportunities

You will gain valuable skills from our unique approach looking at impacts across ecosystems. Plant health scientists are employed in environmental consultancy, research, overseas development, agriculture, horticulture, forestry, urban planning, policy development, plant inspection and management. Agricultural scientists continue to be needed to balance increased output with protection and preservation of ecosystems.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ international/graduate-entry), in a related subject. We may also consider a UK 2:2 honours degree, or its international equivalent, with relevant experience. Please contact us to check before you apply.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

Programme Director

Sarah Buckingham
Tel: +44 (0)131 535 4177
Email: sarah.buckingham@sruc.ac.uk

www.ed.ac.uk/pg/903

Sustainable Plant Health

MSc 1 yr FT (2 yrs or 3 yrs PT available for UK/EU students)

Programme description

Taught in collaboration with Scotland’s Rural College. This programme provides a strong foundation for work with international agencies, academic research, marine sectors of government bodies, industry, marine-focused think tanks, and NGOs. These are employers that seek candidates with an integrated understanding of marine ecosystems, and the practical management frameworks aiming for sustainable ocean development including marine spatial planning.

Programme structure

You will have two semesters of lectures and practicals and a dissertation.

COMPELLARY COURSES PREVIOUSLY OFFERED INCLUDE:

- Fundamental of Plant Health; Forensic; Plant Health; Plant Health in a Global Context; Professional and Research Skills in Practice; Dissertation.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you can choose from a shortlist of optional courses. We have previously offered: Agricultural Economics; Atmospheric and Global Change; Case Studies in Sustainable Development; Ecosystem Services 1: Ecosystems and Global Change; Ecosystem Services 2: Human Dimensions of Environmental Change and Sustainability; Interrelationships in Food Systems; Land Use/Environmental Interactions; Principles of Environmental Sustainability; Soil Ecology and Taxonomy; Soil Protection and Management; Soil Science Concepts and Application; Sustainability of Food Production; Understanding Environment and Development.

Field trip

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Career opportunities

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Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ international/graduate-entry), in a related subject. We may also consider a UK 2:2 honours degree, or its international equivalent, with relevant experience. Please contact us to check before you apply.

English language requirements

See page 28.

Fees and funding

For fees see page 28 and for funding information see page 30.

Programme Director

Dr Mark Hocart
Tel: +44 (0)131 650 4584
Email: mark.hocart@sruc.ac.uk

www.ed.ac.uk
As the largest grouping of geoscientists in the UK, we offer an extensive range of research opportunities for postgraduates.

The University of Edinburgh has an unbroken record of teaching and research in the earth sciences going back to 1770, when Robert Ramsay became the first Professor of Natural History.

James Hutton and Arthur Holmes were prominent among those who set an academic tradition in Edinburgh that continues today through the University’s earth sciences and environmental sciences (including geography) teaching and research.

Home of leading research
Our interactive and interdisciplinary research environment allows us to tackle difficult research questions, from causes of past glaciations to interactions of earth, climate and society. The ambition and quality of our research was reflected in the Research Excellence Framework (REF) 2014, when 78 per cent of our research in earth sciences and environmental sciences was rated 4* world leading or 3* internationally excellent on the overall quality profile.

Backed by industry
The School receives strong backing from industry, particularly in areas such as hydrocarbons and carbon capture and storage. We receive support from the EU and from major UK research councils, including the Natural Environment Research Council, Engineering and Physical Sciences Research Council and the Economic and Social Research Council.

Research community
Postgraduate research at the School of GeoSciences is represented by the following three research institutes:

Geography and the
Lived Environment
This institute generates agenda-setting research that improves understanding of the relationships between people, society and the environment. Researchers seek to investigate key areas of contemporary and historical societal concerns, including the energy transition, development, climate change, inequalities, land use change, ecosystem services, social justice, health and wellbeing and urbanisation. The lived environment refers to those aspects of the Earth system that are experienced by people – not as it is purely conceptualised or theorised, but as it is lived. It is a multidisciplinary concept that brings together environmental science, geography, economics, policy, social science and computer science.

Global Change
This institute seeks to improve the scientific understanding of past, present and future changes in the Earth system through measurements, theory and computational modeling. Better understanding of the Earth system allows us to inform policymakers and to develop effective mitigation strategies, which, if implemented, would minimise the economic and humanitarian implications of changes in climate and the Earth system. Our aim incorporates some of the most compelling scientific challenges of the 21st Century. To address these questions we nurture an interdisciplinary research and teaching environment, integrating expertise across the institute, the School of GeoSciences and, more broadly, throughout the University and beyond.

Earth and Planetary Sciences
This institute undertakes research that informs the solutions to global challenges relating to resources, natural hazards and the environment. Our researchers seek to better understand chemical and physical properties of materials, the origin and history of pore fluids, minerals, rock assemblages, and magmas, and their interactions at all scales within the Earth. We develop new geological, electromagnetical, gravitational, magnetic and industrial seismic methods to interrogate the Earth remotely for such information.

Dynamic leaders
The School has many high-profile academics who are leaders in their field. Stuart Haszeldine is the world’s first Professor of Carbon Capture and Storage. He co-leads Scottish Carbon Capture and Storage, the UK’s largest such group (a collaboration between the University of Edinburgh, Heriot-Watt University and the British Geological Survey). He is a member of the CCS Advisory Group to the UK Department of Business, Energy and Industrial Strategy, and works with the Scottish Government energy directorate. Gabriele Hegerl FRS is Professor of Climate System Science. She studies the causes of observed changes in climate, and seeks to detect the emerging signal of greenhouse gas increases in temperature data. She also studies the causes of change in climate variability and extremes as well as change over the past millennium. Professor Hegerl is involved in the intergovernmental Panel on Climate Change. She was a member of the Summary for Policymakers writing team in the Fourth Assessment Report, and a member of the Synthesis Report writing team in the Fifth Report.

Simon Kelley is the Head of the School of GeoSciences and Professor of Isotope Geochemistry. One of his main research interests is measuring the rates and timescales of geological processes. Simon has worked on dating large igneous provinces, ultra-high pressure metamorphism in subduction zones, and the provenance of individual grains in ancient silts and sands. Simon’s research also extends to online teaching where he led a project to develop the virtual microscope for Earth science, an open educational resource: www.virtualmicroscope.org

International collaborations
A commitment to international partnerships is intrinsic to the School’s research ethos. We have established research links on every continent.

Some projects are global in scope, such as the calculation of surface temperatures across oceans, determining the rate at which cosmic rays bombard the Earth’s surface at different latitudes, or human transnational processes such as migration and globalisation.

Other projects focus on specific regions and communities, for example addressing issues of gender and social equality for community forest projects in South Asia, or examining archaeological evidence to evaluate the role of climate in environmental and cultural change.

Examples of our research partnerships can be found on the following page.
Research opportunities

We offer a range of research programmes: MSc by Research, MPhil and PhD. You can commit to anything from one year of full-time study for the MSc to six years’ part-time study for a doctorate.

MSc by Research
The master of science by research programme offers you the opportunity to acquire research skills by undertaking a single year (if studying full time) of independent study within the School’s research interests.

Master of Philosophy
An MPhil resembles a PhD but only requires a minimum of two years’ study (full time), including an extended piece of supervised research. This does not carry the same requirement for original contribution to knowledge as a PhD. You’ll pursue your individual research project under supervision and submit a thesis.

Doctor of Philosophy
As a PhD student you will undertake an original research project under individual supervision. Your studies will take at least three years, and to qualify for your doctorate your thesis must be judged to represent an original contribution to knowledge. In some cases it is also possible to study a 1+3 programme, comprising a year of MSc study leading on to a PhD.

Entry requirements
A UK undergraduate degree, or its international equivalent, in a related subject. We may also consider your application if you have other qualifications or experience. Please check the specific entry requirements for your programme online before applying.

Support
As a research student, you will be allocated to one of our research institutes, benefiting from an excellent peer-supported network. As groupings of researchers with related interests, the institutes provide a forum for development of ideas, collaboration, and dissemination of results, and an environment for training, development and mentoring of research students and early career researchers.

Career opportunities
Many of our graduates go on to postdoctoral research roles in universities and research institutes internationally. Others are now working as geologists, geophysicists, biogeochemists and environmentalists for companies including BP, the Met Office and the International Seismological Centre.

More information
Enquiries for PhD, MPhil and MSc by Research programmes should be directed to:

PCGR Recruitment Secretary
School of GeoSciences, Grant Institute, University of Edinburgh
West Mains Road, Edinburgh EH9 3JW, UK
Tel +44 (0)131 650 5422/5854
Email pgrsupport.geos@ed.ac.uk
www.ed.ac.uk/geosciences/postgraduatephd

Research institutes
Our research programmes in Geology & Geophysics draw on expertise from the School’s Earth & Planetary Science research institute.

Research profile
The Earth & Planetary Science research institute studies the physical and chemical properties, origin and history of the Earth, and encompasses the major disciplines of geology, geochemistry, geodynamics, meteorology and geophysics. We bring together different scientific disciplines to understand the Earth in its entirety, from the Sun to the subsurface - from atoms to plates, and on timescales ranging from seconds to billions of years. We have special expertise in: mineralogy; igneous, metamorphic and experimental petrology; palaeontology; sandstone and carbonate diagenesis; tectonics; rock physics and chemistry; petroleum geoscience; seismic imaging; and seismic sequence stratigraphy.

As a research student you will undertake an original research project under individual supervision. Your studies will take at least three years, and to qualify for your doctorate your thesis must be judged to represent an original contribution to knowledge. Our overarching aim is to improve the scientific understanding of past, present and future changes in the Earth system through measurements, theory and computer modelling. Better understanding of the Earth system allows us to inform policymakers and to develop effective mitigation strategies, which, if implemented, would minimise the economic and humanitarian impacts of changes in climate and the Earth system.
GeoSciences

Individual Project

MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

This master's by research programme is an opportunity to carry out a substantial piece of research in any of the major branches of geosciences. The programme allows you to work on research throughout the year, and your work will be assessed entirely on your final dissertation. You will also follow taught courses by arrangement with your supervisor, but none are required.

English language requirements
See page 28.

Fees and funding
For fees see page 28 and for funding information see page 30.

Programme contact
PCG Recruitment Secretary
Tel +44 (0)131 650 5422/5854
Email pgrsupport.geos@ed.ac.uk

www.ed.ac.uk/pg/84

Human Geography

Environmental Studies

PhD 3 yrs FT (6 yrs PT available for UK/EU students)
MPhil 2 yrs FT (4 yrs PT available for UK/EU students)

Our research programmes in geography draw on expertise from the School's Human Geography Research Group, part of the Geography and the Social Sciences: Data Collection and Analysis.

Research group
Our research programme in geography draws on expertise from the School's Human Geography Research Group, part of the Geography and the Social Sciences: Data Collection and Analysis.

Research profile
The Human Geography Research Group is focused on the development and delivery of postgraduate research programmes. The group's research efforts provide challenging new insights to core geographical concepts through four research themes.

Just Geographies: Building upon human geography's long-standing concern with the production and consequences of inequality and uneven development.
Nature's Geographies: Examining the interaction between nature and society, environment and culture.
Materialising Geographies: Examining the relationship between materiality, technology and geography.
Lived Geographies: Concerned with how social, economic, political and cultural processes emerge from and shape people's daily lives at work, home and in public.

We have expertise in a wide range of regions, including the UK and continental Europe, South Asia, Australia, North and South America, Canada, the Caribbean and the Middle East.

We collaborate with colleagues across the University including in the Schools of Education, Health in Social Science (including Counselling Studies) and Edinburgh College of Art, and other areas within the College of Arts, Humanities & Social Sciences.

Training and support
The School is recognised as a provider of the Economic & Social Research Council (ESRC) Research Training (1+3) postgraduate training programme. The programme comprises three compulsory courses: Research Planning and Management in GeoSciences; Design and Literature Analysis; Topics in Palaeoecology and Palaeontology, plus a choice of option courses and a dissertation.

Dissertation
The dissertation will demonstrate your ability to conduct independent research by exploring a topic of your choosing in the broad fields of palaeoecology, palaeoecology, evolutionary biology, geology and geobiology. You should submit a brief outline of your proposed research project at the time of application and this will be developed in consultation with prospective supervisors. You will be appointed a principal supervisor and a second supervisor to guide and monitor your work. Supervisors may be drawn from outside the University, allowing you to conduct research in a wide range of potential subject areas.

Fieldwork
You will have the opportunity to conduct hands-on fieldwork on the Isle of Skye, one of the best places in the world to find fossils from the mysterious middle part of the Jurassic Period, including some of the first long-necked dinosaurs and primitive flesh-eating tyrannosaurs. You will also be able to take part in annual trips to world-renowned fossil sites around Edinburgh, where the sciences of geology and palaeontology were forged in the 18th and 19th centuries.

Facilities
You will have access to world-class analytical facilities, including ion microscopes, electronprobe, SEM, and computed tomography scanners.

English language requirements
See page 28.

Fees and funding
For fees see page 28 and for funding information see page 30.

Programme contact
Fraser MacDonald
Tel +44 (0)131 650 2923
Email fraser.macdonald@ed.ac.uk

www.ed.ac.uk/pg/105

Palaeontology

MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

Research profile
The University has world-class expertise in the core disciplines of geology, palaeontology, ecology and evolutionary biology. This new programme, run by the Centre for Geobiology & Geochronology, gathers leading researchers in these topics from across the University and the wider Scottish community, giving you the opportunity to learn from leaders in the field.

The programme comprises three compulsory courses: Research Planning and Management in GeoSciences; Design and Literature Analysis; Topics in Palaeoecology and Palaeontology, plus a choice of option courses and a dissertation.

Dissertation
The dissertation will demonstrate your ability to conduct independent research by exploring a topic of your choosing in the broad fields of palaeoecology, palaeoecology, evolutionary biology, geology and geobiology. You should submit a brief outline of your proposed research project at the time of application and this will be developed in consultation with prospective supervisors. You will be appointed a principal supervisor and a second supervisor to guide and monitor your work. Supervisors may be drawn from outside the University, allowing you to conduct research in a wide range of potential subject areas.

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Facilities
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English language requirements
See page 28.

Fees and funding
For fees see page 28 and for funding information see page 30.

Programme contact
Dr Stephen Brusatte / Professor Rachel Wood
Tel +44 (0)131 650 6039 / 650 6014
Email stephen.brusatte@ed.ac.uk / rachel.wood@ed.ac.uk

www.ed.ac.uk/pg/927

GeoSciences Postgraduate Opportunities 2019

The University of Edinburgh
GeoSciences Postgraduate Opportunities 2019

Research opportunities

English language requirements
See page 28.

Fees and funding
For fees see page 28 and for funding information see page 30.

Programme contact
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Email stephen.brusatte@ed.ac.uk / rachel.wood@ed.ac.uk

www.ed.ac.uk/geosciences

Human Geography & Environmental Studies

MSc by Research 1 yr FT (2 yrs PT available for UK/EU students)

A programme highlight is the postgraduate conference where students present their research to colleagues. The programme can stand alone as a masters, or form the first year of a '1+3' ESRC-backed PhD programme.

COMPULSORY COURSES OFFERED LAST YEAR:

Research Design in Human Geography: Methodological Debates in Human Geography: Core Quantitative Data Analysis 1 and 2; Research Skills in Environmental Sciences; and Management in GeoSciences.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses. We particularly recommend: Conducting Research Interviews; Contemporary Social Theory; The Documents of Life; Explanation and Understanding in Social and Political Research; Intermediate Inferential Statistics: Testing and Modelling; and Management in GeoSciences.

www.ed.ac.uk/pg/86

Acidification in the deep seas

Case study: Edinburgh's research with impact

Currently of great concern is the question of how climate change will impact deep-sea habitats, such as deep-sea coral reefs that support high biodiversity. These habitats are intrinsically difficult to access and are often out of sight and out of mind for many people.

The School of GeoSciences' Dr Sebastian Hennige and Professor Murray Roberts were appointed to lead a report for the Convention on Biological Diversity (CBD) on the impacts of ocean acidification on marine biodiversity: www.cbd.int/doc/publications/cbd-t-75-en.pdf

They also produced a background document on acidification in cold-water areas to support the CBD's voluntary specific workplan for countries, on biodiversity in cold-water areas within the CBD's jurisdictional scope.

Project background
Dr Hennige and Professor Roberts' research focuses on the impacts of environmental change on marine life – in particular on tropical and deep sea coral, and how this can integrate into sustainable management.

Recent evidence from their research has highlighted how ocean acidification can cause structural degradation of cold-water reef habitats, potentially leading to less biodiversity support in the future, a key concern highlighted by the CBD.

Project results
Dr Hennige and Professor Roberts' reports and background document on acidification in cold-water areas have directly supported the introduction of the CBD's voluntary specific workplan on biodiversity in cold-water areas within the jurisdictional scope of the Convention which countries within the convention will be able to adopt.

See more online: www.ed.ac.uk/research/impact

Research focuses on the impacts of environmental change on marine life – in particular on tropical and deep sea coral.
About the School of GeoSciences

At the School of GeoSciences we examine the interactions between Earth’s geology, atmosphere, oceans and life, as well as considering our own role and impact on our planet.

The effect of these complex relationships is vitally important to our world’s future, which means the skills and knowledge you develop as a postgraduate student here will put you in an exceptional position to help make that future better. Spanning the entire spectrum of the geosciences field, we offer opportunities that are increasingly interdisciplinary and international in focus.

We are the largest geoscience research group in the UK, with around 40 academics and researchers. The quality of our research is among the best in the UK. We were ranked second for research power of our research is among the best in the UK. We are the largest geoscience research
diploma in contemporary study space. ECCI was was the first refurbished building in the UK
to achieve the industry sustainability ‘BREEAM Outstanding’ award at the
design stage. ECCI is a collaborative project with Edinburgh Napier and Heriot-Watt universities that brings together experts in
law, business, technology and policymaking.

As you would expect, we have a wide range of hi-tech apparatus for the analysis of minerals and fluids, for isotope analysis and for measuring the physical properties of materials. Few institutions can boast facilities that need a call sign for Air Traffic Control. In our case the call sign is G-GEOS and the equipment is an Eco Diamond HK36 small aircraft – invaluable for measuring trace gas concentrations up to altitudes of approximately 3,000 metres.

We also offer excellent resources for scientific computing, for instance in geographic information systems, meteorological and climate modelling and geophysics. We place a strong emphasis on field measurement techniques in ecological, atmospheric and earth sciences.

More information:
www.ed.ac.uk/geosciences/research

Facilities and resources

By joining the School of GeoSciences, you will gain access to outstanding facilities. From our own aircraft to state-of-the-art computing facilities, our exceptional equipment enables our researchers, staff and students to stay at the forefront of their field.

Facilities and partnerships

The Edinburgh Centre for Carbon Innovation (ECCI) is an exemplar of social, economic and environmental sustainability, where students enrolled on relevant programmes can enjoy lectures and access to contemporary study space. ECCI was the first refurbished building in the UK to achieve the industry sustainability ‘BREEAM Outstanding’ award at the design stage. ECCI is a collaborative project with Edinburgh Napier and Heriot-Watt universities that brings together experts in law, business, technology and policymaking.

As you would expect, we have a wide range of hi-tech apparatus for the analysis of minerals and fluids, for isotope analysis and for measuring the physical properties of materials. Few institutions can boast facilities that need a call sign for Air Traffic Control. In our case the call sign is G-GEOS and the equipment is an Eco Diamond HK36 small aircraft – invaluable for measuring trace gas concentrations up to altitudes of approximately 3,000 metres.

We also offer excellent resources for scientific computing, for instance in geographic information systems, meteorological and climate modelling and geophysics. We place a strong emphasis on field measurement techniques in ecological, atmospheric and earth sciences.

More information:
www.ed.ac.uk/geosciences/research

National facilities

The School hosts and manages a number of national analytical facilities on behalf of the Natural Environment Research Council (NERC). We are home to:

- the NERC Ion Microprobe Facility;
- the Experimental GeoScience Facility (NERC-recognised);
- the NERC Geophysical Equipment Facility;
- the NERC Field Spectroscopy Facility;
- the NERC Chemical Dating Facility;
- the NERC GeoChemistry Centre.

Collections of the University

The University of Edinburgh has one of the world’s great collections, which has been growing ever since its foundation in 1583. Our collections include rare books, archives and manuscripts, art, historical musical instruments and a wide range of museum objects from geological specimens to anatomical models. If laid out end to end, we would have almost 60 kilometres of shelving and storage space devoted to our heritage material, from 1st century Greek papyrus fragments to new works of sculpture. This is curated by specialist staff across 45 sites and used for our teaching and research and by the wider public community.

The Centre for Research Collections in the Main Library is the hub for all our collections, where specialist curators make them available for study, research and pleasure. Postgraduate students are welcome to study original objects and have made many important research discoveries while working on the archives. You will find an incredible range of material in our collections that is available nowhere else in the world.

illustrious past, exciting future

While we can draw upon a rich geological heritage (James Hutton, the father of modern geology) and a university with a strong reputation, continuing to break new ground will build upon established prestige and help make that future better. Spanning the entire spectrum of the geosciences field, we offer opportunities that are increasingly interdisciplinary and international in focus.

We are the largest geoscience research group in the UK, with around 40 academics and researchers. The quality of our research is among the best in the UK. We were ranked second for research power of our research is among the best in the UK. We are the largest geoscience research

About the School of GeoSciences

At the School of GeoSciences we examine the interactions between Earth’s geology, atmosphere, oceans and life, as well as considering our own role and impact on our planet.

Talented staff

Among our large and experienced academic team are many global leaders in their fields. Two of our academics were lead authors of the Intergovernmental Panel on Climate Change’s Fifth Assessment Report, while one was a review editor for the report. We also boast a double winner of the World Meteorological Organization’s Norbert Gerbier Prize and the world’s first Professor of Carbon Capture and Storage.

Industry links

Our masters programmes will not only extend your knowledge in some of the most exciting areas in geosciences, but will also give you valuable, marketable skills and expertise enabling you to work at the forefront of global resource management. We work closely with industry, through Edinburgh innovations, the University’s commercialisation office, to find practical answers to tomorrow’s problems. We also encourage you to undertake work-based projects – in collaboration with an external organisation – which may form the basis of your masters dissertation.

In partnership with the University’s Global Environment and Society Academy, we hold the annual ‘Environment and Society: Researcher and Practitioner Mixer’ event. This forum gives you the chance to pitch your taught masters research ideas to prospective employers and develop collaborative projects to mutually beneficial ends.

The Edinburgh Centre for Carbon Innovation (ECCI) is an exemplar of social, economic and environmental sustainability, where students enrolled on relevant programmes can enjoy lectures and access to contemporary study space. ECCI was the first refurbished building in the UK to achieve the industry sustainability ‘BREEAM Outstanding’ award at the design stage. ECCI is a collaborative project with Edinburgh Napier and Heriot-Watt universities that brings together experts in law, business, technology and policymaking.

As you would expect, we have a wide range of hi-tech apparatus for the analysis of minerals and fluids, for isotope analysis and for measuring the physical properties of materials. Few institutions can boast facilities that need a call sign for Air Traffic Control. In our case the call sign is G-GEOS and the equipment is an Eco Diamond HK36 small aircraft – invaluable for measuring trace gas concentrations up to altitudes of approximately 3,000 metres.

We also offer excellent resources for scientific computing, for instance in geographic information systems, meteorological and climate modelling and geophysics. We place a strong emphasis on field measurement techniques in ecological, atmospheric and earth sciences.

More information:
www.ed.ac.uk/geosciences/research

National facilities

The School hosts and manages a number of national analytical facilities on behalf of the Natural Environment Research Council (NERC). We are home to:

- the NERC Ion Microprobe Facility;
- the Experimental GeoScience Facility (NERC-recognised);
- the NERC Geophysical Equipment Facility;
- the NERC Field Spectroscopy Facility;
- the NERC Chemical Dating Facility;
- the NERC GeoChemistry Centre.

Collections of the University

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Our supportive academic community provides a dynamic environment in which you can truly thrive. We offer you numerous opportunities to access study support, develop new skills, share knowledge, exchange ideas and socialise with like-minded colleagues.

You will join an active and motivated postgraduate student community, for which regular events have included a Research and Practitioner Mixer, Field Training Days, and informal socials such as our Burns Supper and ceilidhs. Additionally, staff and visiting experts deliver exciting lectures and seminars which are open to all of our students – there really is something for everyone.

If you enrol as a taught masters student, you’ll receive support from our GeoSciences Teaching Organisation, which helps with all aspects of the administration of your studies, while our dedicated programme directors, personal tutors and student support coordinators are responsible for your academic and pastoral care.

If you undertake postgraduate research you will work closely with your supervisor and an academic advisor, and will have access to confidential pastoral support from our Research Training and Development Team.

Collaborative culture
All academic, research staff and postgraduate students are affiliated to one of our three research institutes:
- Geography and the Lived Environment;
- Global Change;
- Earth & Planetary Sciences.

As groupings of researchers with related interests, the institutes provide a forum for the development of ideas, collaboration and dissemination of results, and an environment for training, development and mentoring of research students and early-career researchers. Each research institute has a very active seminar series drawing distinguished external guests as well as internal speakers, and you will be encouraged to attend and participate.

Peer support
Our postgraduate research team ensures effective delivery of all postgraduate research training, as an integral underpinning of all School research activities. On joining us you will become a member of the student-run GradSchool, an excellent peer support network that spans each of the School’s sites. GradSchool organises social events, lectures and conferences, and maintains crucial links between you and our academic staff.

Each year GradSchool welcomes new research students with a range of events: there is an organised weekend away to the mountains, the GradSchool conference, the regular GradTalk seminars and a spring ceilidh.

Institute for Academic Development
All postgraduate students can benefit from our Institute for Academic Development (IAD), which provides information, events and courses to develop the skills you will need throughout your studies and in the future. IAD events also offer the perfect opportunity to meet and network with other postgraduates from across the University.

Employability and graduate attributes
As a GeoSciences graduate you will have excellent academic and career prospects – working with industry, staying in academia or entering government and non-government organisations.

IAD also provides a comprehensive programme of transferable skills training, resources and support for researchers completing a doctorate. The workshop programme is designed to help you successfully prepare for the various milestones of your PhD, from getting started with your research, to writing up and preparing for the viva, as well as developing personal and professional skills that can be transferred to your future employment. Workshops focus on topics such as writing skills, reference management tools, statistics, preparing for conferences, delivering presentations, time and project management, and personal development.

The Burns Supper and ceilidh. Additionally, GradSchool organises social events, lectures and conferences, and maintains crucial links between you and our academic staff.

Our graduates have gone on to work for a huge array of employers across all sectors, including the Department of Business, Energy and Industrial Strategy, the Carbon Trust, the Forestry Commission, British Airways, Hewlett-Packard, Shell, Credit Suisse, Google, and the police.

Institute for Academic Development
Our Institute for Academic Development (IAD) offers the perfect opportunity to meet and network with other postgraduates from across the University.

Further information is available online: www.ed.ac.uk/iad/postgraduates

For taught postgraduates, IAD provides a popular study-related and transferable skills support programme. It is designed to help you settle into postgraduate life, succeed during your studies and move confidently to the next stage of your career. We offer on-campus and online workshops and one-to-one study skills consultations, plus online advice and learning materials. Workshops and learning resources cover key topics tailored to different academic stages, including: pre-arrival sessions; getting started with your studies; critical reading, writing and thinking; managing your exams; and planning for and writing up your dissertation.

IAD also provides a comprehensive programme of transferable skills training, resources and support for researchers completing a doctorate. The workshop programme is designed to help you successfully prepare for the various milestones of your PhD, from getting started with your research, to writing up and preparing for the viva, as well as developing personal and professional skills that can be transferred to your future employment. Workshops focus on topics such as writing skills, reference management tools, statistics, preparing for conferences, delivering presentations, time and project management, and personal development.

Careers Service
Our Careers Service plays an essential part in your wider student experience at the University, offering a range of tailored careers and personal development guidance and support. We support you to recognise the wealth of possibilities ahead, while at university and after graduation. We help you explore new avenues, tap into your talents and build your employability with confidence and enthusiasm.

We provide specialist support for postgraduate students. From exploring career options to making decisions, from CV writing to interview practice, from employ.etc internships to graduate posts and from careers fairs to postgraduate alumni events, we will help you prepare for the future.

We sustain and continually develop links with employers from all industries and employment sectors, from the world’s top recruiters to small enterprises based here in Edinburgh. Our employer team provides a programme of opportunities for you to meet employers on campus and virtually, and advertises a wide range of part-time and graduate jobs.

More information: www.launched.ed.ac.uk

Learn to teach
We encourage all of our research students to carry out demonstrating and tutoring work for the School’s undergraduate programmes. This work is strongly supported by training and coaching, to ensure you get the most out of the experience and can gain a new skillset from it.

Ben Reid, MSc Ecosystem Services

“...This has been a great course – one of the best investments I have made in my life – where I have not only studied in one of Britain’s best cities but have pushed a subject to the very limit of our current knowledge. This is not only a career enhancer but has also brought a new aspect to my life as an environmentalist and what I can achieve in the future.”

www.ed.ac.uk/geosciences

www.ed.ac.uk/platform-one

The University of Edinburgh
GeoSciences Postgraduate Opportunities 2019

www.europeangeoparks.org

www.LAUNCH.ed.ac.uk

www.LAUNCH.ed.ac.uk
Applications and fees

We have an online application process for all postgraduate programmes. It’s a straightforward system with full instructions, including details of any supporting documentation you need to submit.

When applying, you will set up an account, which lets you save your application and continue at another time. Full guidance on our application system is available at: www.ed.ac.uk/postgraduate/applying

General requirements
Our usual entrance requirement for postgraduate study is a UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in a subject related to your chosen programme. You will also need to meet the University’s language requirements (see below).

References
For applications to taught programmes, the normal requirement is one reference, although an additional reference may be requested in individual cases. For applications to research programmes, two references are required. You should check online for exact requirements for your intended programme of study. For general guidance on references, visit: www.ed.ac.uk/postgraduate/references

Deadlines
Masters
Early application is recommended given the high demand for places and in instances where a visa is required. Should you wish to submit a late application, please contact us for guidance. If you are applying for funding, in most cases you will need an offer to study with us before you can make your funding application – and many of our scholarships have deadlines in the spring.

Please note that in most instances a deposit of £1,500 is required to secure your place on a taught masters programme.

PhD
There are no official deadlines for our PhD programmes and applications are welcome throughout the year. However, many of our funding opportunities have deadlines and you may need an offer to study with us before you can make your funding application.

English language requirements
Students whose first language is not English must show evidence of one of the qualifications below.

All MSc, MScR (except Geosciences Individual Project – see below) and PgCert programmes, and PhD Human Geography & Environmental Studies
• IELTS Academic: total 7.0 (at least 6.0 in each module).
• TOEFL-iBT: total 100 (at least 20 in each module).
• PTE(A): total 67 (at least 56 in each of the Communicative Skills sections; the Enabling Skills sections are not considered).
• CAE and CPE: total 185 (at least 169 in each module).
• Trinity ISE: ISE III (with a pass in all four components).

All MPhil and PhD programmes (except PhD Human Geography & Environmental Studies – see above) and MSc Geosciences Individual Project
• IELTS Academic: total 6.5 (at least 6.0 in each module).
• TOEFL-iBT: total 92 (at least 20 in each module).
• PTE(A): total 61 (at least 56 in each of the Communicative Skills sections).
• CAE and CPE: total 176 (at least 169 in each module).
• Trinity ISE: ISE II (with distinctions in all four components).

Please note:
• English language requirements can be affected by government policy so please ensure you visit our degree finder to check the latest requirements for your programme: www.ed.ac.uk/postgraduate/degrees
• Your English language certificate must be no more than three years old at the beginning of your programme, unless you are using an English language test such as IELTS in which case it must be no more than two years old.

• We also accept recent degree-level study that was taught and assessed in English in a majority English-speaking country (as defined by UK Visas & Immigration), or at a university in a non-majority English-speaking country which has specifically been approved by the University of Edinburgh’s Admissions Qualifications Group. A list of approved universities is published online. The award date must be no more than three years prior to the start date of the programme.

• We do not require you to take an English language test before you apply.

Abbreviations: IELTS – International English Language Testing System; TOEFL-iBT – Test of English as a Foreign Language Internet-Based Test; PTE(A) – Pearson Test of English (Academic); CAE – Certificate of Proficiency in English; CPE – Certificate in Advanced English; Trinity ISE – Integrated Skills in English; www.ed.ac.uk/english-requirements.jpg

Tuition fees
The following table provides an overview of indicative fee levels for programmes commencing in 2019.

Please note:
• International students starting full-time taught programmes of study lasting more than one year will be charged a fixed annual fee.
• All other students on full-time and part-time programmes of study lasting more than one year should be aware that annual tuition fees are subject to revision and are typically increased by approximately five per cent per annum. This annual increase should be taken into account when you are applying for a programme.

• In addition to tuition fees, your programme may be subject to an application fee and additional costs/ programme costs may apply. Please check the latest programme information online.

Asylum seeker tuition fee status and scholarship
Information for applicants seeking asylum from within the United Kingdom, who wish to commence a programme of study at the University in 2019, is available online. This includes our tuition fee rates and scholarship opportunities: www.ed.ac.uk/student-funding/asylum

Tuition fees for EU students
EU students enrolling in the 2019/20 academic year will be admitted as Scottish/ EU fee status students. Taught masters students will be eligible for the same tuition support as Scottish domiciled students from the Student Awards Agency Scotland (SAAS).

For UK/EU students

<table>
<thead>
<tr>
<th>Programme</th>
<th>Annual fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught programme 1-year FT</td>
<td>£10,000–£14,750*</td>
</tr>
<tr>
<td>Taught programme PT</td>
<td>£6,500–£7,350</td>
</tr>
<tr>
<td>MSc by Research 1-year FT</td>
<td>£8,300</td>
</tr>
<tr>
<td>MSc by Research 2-year FT</td>
<td>£8,150</td>
</tr>
<tr>
<td>All other research programmes FT</td>
<td>£4,260</td>
</tr>
<tr>
<td>All other research programmes PT</td>
<td>£2,130</td>
</tr>
</tbody>
</table>

Online Learning

<table>
<thead>
<tr>
<th>Programme</th>
<th>Annual fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc</td>
<td>£15,500</td>
</tr>
<tr>
<td>PgCert</td>
<td>£5,170</td>
</tr>
</tbody>
</table>

For international students

<table>
<thead>
<tr>
<th>Programme</th>
<th>Annual fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taught programme 1-year FT</td>
<td>£25,550–£27,500</td>
</tr>
<tr>
<td>MSc by Research 1-year FT</td>
<td>£26,600</td>
</tr>
<tr>
<td>All other research programmes FT</td>
<td>£22,200</td>
</tr>
</tbody>
</table>

* Figure shown is the 2018/19 fee level.

All other fees quoted are indicative of 2019/20 fee levels. Because these figures are indicative, it is important you check online before you apply and check the up-to-date fee level that will apply to your specific programme: www.ed.ac.uk/student-funding/tuition-fees/postgraduate

www.ed.ac.uk/geosciences

The University of Edinburgh GeoSciences Postgraduate Opportunities 2019
Funding

A large number of scholarships, loans and other funding schemes are available for your postgraduate studies. It is only possible to show a small selection in print.

To see the full range, please visit: www.ed.ac.uk/student-funding/postgraduate

Scholarships at the University of Edinburgh

- Beit Trust • Beit Trust and the University of Edinburgh fund postgraduate students from Malawi, Zambia and Zimbabwe to undertake a masters: www.beittrust.org.uk
- China Scholarships Council/University of Edinburgh Scholarships (China) • A number of scholarships for PhD study to candidates who are citizens and residents of China. Participating schools to be confirmed: www.ed.ac.uk/student-funding/china-council
- Edinburgh Global Masters Scholarships • A number of scholarships are available to international students for masters study: www.ed.ac.uk/student-funding/masters
- Edinburgh Global Research Scholarships • These scholarships are designed to attract high-quality international research students to the University: www.ed.ac.uk/student-funding/global-research
- Edinburgh Principal's Career Development Scholarships • A number of scholarships, open to UK, EU and international PhD students: www.ed.ac.uk/student-funding/developement
- Enlightenment Scholarships • The University is currently developing a new style of PhD scholarship to attract the best PhD applicants from around the world. These scholarships will provide funding for up to four years. For the latest information, and for details on which Schools will be participating, please check: www.ed.ac.uk/student-funding/enlightenment
- Highly Skilled Workforce Scholarships • A number of scholarships are available to UK nationals permanently domiciled in Scotland, and to EU nationals who are domiciled either on mainland EU or in Scotland, who have been accepted on an eligible full- or part-time masters programme. The scholarships, which are funded by the Scottish Funding Council and subject to annual confirmation, cover the UK/EU tuition fee. At the time of printing, we are awaiting confirmation of these scholarships from the Scottish Government: www.ed.ac.uk/student-funding/sfc-hsw
- Julius Nyerere Masters Scholarships (Tanzania) • One scholarship is available to citizens of Tanzania who are normally resident in Tanzania who are accepted on a full-time masters programme: www.ed.ac.uk/student-funding/nyerere
- MasterCard Foundation Scholars Programme (Africa) • A number of scholarships for applicants who are residents and citizens of a Sub-Saharan African country will be available for eligible masters programmes. The scholarships cover full tuition fees and expenses for accommodation and maintenance for African scholars with few educational opportunities: www.ed.ac.uk/student-funding/mastercardfdn
- School of Geosciences Studentships • A number of part-funded UK/EU and international PhD studentships are offered annually: www.ed.ac.uk/geosciences/postgraduate-funding

Research council awards

Research councils offer awards to masters and PhD students in most of the Schools within the University of Edinburgh. All applications from the research councils must be made through the University, through your School or College office. Awards can be made for both taught and research programmes.

Normally only those UK/EU students who have been resident in the UK for the preceding three years are eligible for a full award. For some awards, candidates who are EU nationals and are resident in the UK may be eligible for a fees-only award. The UK Government has confirmed that postgraduate research students commencing their studies in 2019/20 will retain their fee status and eligibility for research council support for the duration of their programme: www.ed.ac.uk/student-funding/researchcouncils

The University also offers a number of scholarships in partnership with the following overseas government agencies:

- Chile • National Commission for Scientific and Technological Research (CONICYT): www.conicyt.cl
- Colombia • Administrative Department of Science, Technology and Innovation (Colciencias): www.colciencias.gov.co
- Ecuador • Secretaria Nacional de Educacion Superior, Ciencia y Tecnologia (SENESCYT): www.educacionsuperior.gob.ec
- Iraq • Ministry of Higher Education and Scientific Research: www.iraqculturaltattache.org.uk
- Mexico • National Council of Science and Technology of the United Mexican States (CONACYT): www.conacyt.mx
- Punjab • Higher Education Commission, Pakistan (HEC): www.hec.gov.pk

Loans available for study at the University of Edinburgh

The University of Edinburgh offers several scholarships specifically for online, part-time postgraduate programmes, including the Edinburgh Global Online Distance Learning Masters Scholarship, for which students can apply: www.ed.ac.uk/student-funding/e-learning/online-distance

Other sources of funding

The following are examples of the many scholarships and support schemes available to students from particular countries who meet certain eligibility criteria.

- Chevening Scholarships • A number of partial and full funding scholarships are available to one-year masters students: www.chevening.org
- Commonwealth Scholarships • Scholarships available to students who are resident in any Commonwealth country, other than the UK: www.dfid.gov.uk/cscuk
- Marshall Scholarships (USA) • Scholarships available to outstanding US students wishing to study at any UK university for at least two years: www.marshallscholarship.org
- Scotland's Saltire Scholarships • A number of scholarships open to students who are citizens permanently and ordinarily resident in Canada, China, India, Japan, Pakistan, and the USA for one year of masters study: www.ed.ac.uk/student-funding/saltire

Funding for online learning

The University offers several scholarships specifically for online, part-time postgraduate programmes, including several for US loan students. Full details on eligibility and how to apply can be found online: www.ed.ac.uk/student-funding/us-loans
The School of GeoSciences is based in several buildings across two University campuses. The Head of School and the main offices are at King's Buildings, about two miles south of the city centre. The Institute of Geography and the Edinburgh Centre for Carbon Innovation are in the historic Old Town of Edinburgh.

Contact us
For more information about taught MSc programmes, contact the relevant programme secretaries:

For Energy, Society and Sustainability, Marine Systems & Policies; and Applied Geoscience (Geoenergy), contact:
Faten Adam
Tel +44 (0)131 651 4657
Email geos.postgrad@ed.ac.uk

For Environment, Culture & Society; Environmental Sustainability; Environment & Development; Global Environment Challenges (PgCert) and Human Geography, contact:
Paula Escobar
Tel +44 (0)131 650 2543
Email geos.postgrad@ed.ac.uk

For Carbon Management (including PgCert Climate Change Management and Carbon Innovation); Geographical Information Science; Geographical Information Science & Archaeology; Earth Observation & Geoinformation Management; and Energy, Society & Sustainability, contact:
Karolina Galera
Tel +44 (0)131 650 2572
Email geos.postgrad@ed.ac.uk

For all collaborative programmes with Scotland’s Rural College (SRUC) (Ecological Economics, Environmental Protection & Management, Food Security, Soils & Sustainability, and Sustainable Plant Health), contact:
Elspeth Martin
Tel +44 (0)131 535 4198
Email elspeth.martin@sru.ac.uk

For specific GeoSciences taught masters scholarship queries please contact:
Natasha Black
Tel +44 (0) 131 650 7542
Email marketing@geos.ed.ac.uk

For more information about research programmes (PhD, MSc by Research and MPhil), contact:
PGR Recruitment Secretary
Tel +44 (0)131 650 5422/5854
Email pgrsupport.geos@ed.ac.uk
On 23 June 2016 the UK electorate voted in a national referendum to leave the European Union. At the time of going to print, there was no immediate, material change known that would impact on applicants for 2019 entry. However we recommend that you check online for the latest information before you apply: www.ed.ac.uk/news/eu

The University’s standard terms and conditions will form an essential part of any contract between the University of Edinburgh and any student offered a place here. Our full terms and conditions are available online: www.ed.ac.uk/student-recruitment/terms-conditions

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