GeoSciences
Postgraduate Opportunities 2018

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 one of the Russell Group’s best track records 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.

TOP 50
We’re consistently ranked one of the top 50 universities in the world. We’re 23rd in the 2018 QS World University Rankings.

4TH
We’re ranked fourth in the UK for research power, based on research quality and breadth.*

83%
The majority of our research – 83 per cent – is considered world leading or internationally excellent.*

32ND
We’re ranked 32nd in the world for the employability of our graduates.†

£268m
In 2015/16 we won £268 million in competitive research grants.

21
We’re associated with 21 Nobel Prize winners, including physicists Peter Higgs, Charles Barkla and Max Born, medical researcher Peter Doherty and biologist Sir Paul Nurse.

13TH
We’re ranked 13th in the world’s most international universities.‡ Students from two-thirds of the world’s countries study here.

* Research Excellence Framework (REF) 2014
† Latest Emerging Global Employability University Ranking
‡ 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 more than 20 innovative taught masters programmes and certificates spanning the entire spectrum of the geosciences field.

The range of master of science (MSc) programmes we offer seeks to address the world's most pressing challenges, underpinned by four areas of research facing the world today. They are Climate and Energy, Hazard and Risks; and Health inequality and Society.

Taught programmes

Taught programmes across two or three years. Programmes can be studied part time to allow you to see the scope for focus in your background, either:

- Geology for Business, Industry, Government and Non-Governmental organisations in the field of low carbon energy production.
- Geology for any background, either:
  - Marine Geology
  - Earth Resources

Online learning

The University of Edinburgh is the biggest provider of online learning in the 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 Flexibility of postgraduate programmes allows to make changes in the market and to scientific developments, ensuring our offering is up to that 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 Sustainable Plant Health, and Energy, Society & Sustainability, as well as an online learning opportunity in Carbon Management. Our growing range of postgraduate taught programmes allows you to benefit from cutting-edge research knowledge and skills training in your selected subject and beyond.

Flexibility

While each programme has compulsory courses which provide its framework, the School offers a wide range of option courses from which you can complete the credits required for your MSc. The Programme Director will provide you with the opportunity to make the most of your course selection. Recommended options are included in each programme entry in this prospectus to allow you to see the scope for focus on areas which particularly interest you.

We are committed to supporting those already in employment or with family commitments and most of our MSc programmes can be studied part time across two or three years.

Online learning

The University of Edinburgh is the biggest provider of online learning in the 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 Flexibility of postgraduate programmes allows to make changes in the market and to scientific developments, ensuring our offering is up to that 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 Sustainable Plant Health, and Energy, Society & Sustainability, as well as an online learning opportunity in Carbon Management. Our growing range of postgraduate taught programmes allows you to benefit from cutting-edge research knowledge and skills training in your selected subject and beyond.

Collaborations

The city of Edinburgh is a genuine hub for 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 the University of Edinburgh Business School, the Schools of History, Classics & Archaeology, and 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

Field trips

A number of our programmes incorporate residential field trips and day excursions which that really enhance your learning experience and enable you to put valuable research and vocational skills into practice. Recent destinations include Tanzania (MSc Ecological Economics), Morocco (MSc Soils & Sustainability and MSc Environmental Protection & Management), Haiti (MSc Food Security), the southern European coastline, the Cairngorms (MSc Ecosystem Services) and the Maldives (MSc Marine Systems & Policies).

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 to select from a range of unique projects made available by academic staff from across the School and through links with industry partners or external organisations. The School offers publication prizes for the top dissertations each year.

Programme description

This new programme is aimed at students who would like to pursue a geosciences-related career in the future energy sector, as it transitions from fossil fuels to a low carbon economy. Our aim is to offer a programme that uses subsurface [geological] knowledge, opening a diverse range of career pathways in lower carbon geotechnology, the disposal of energy-related wastes and the hydrocarbon industry.

The programme builds on the strength and reputation of the research groups operating in the School of Geosciences, on uses of the subsurface: 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 state isotopes.

Programme structure

The programme comprises a series of taught courses and a dissertation.

COMPELARY 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 Geochemistry (Geoenergy) plus, depending on your background, either: Subsurface Reservoir Quality; or Geology for Earth Resources; and Hydrocarbon Storage.

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; Carbon Capture and Transport; Energy Storage; MSc Field Excursion; Environmental Problems and Issues; Nuclear Waste Management; Principles, Policies & Practice.

Career opportunities

This programme will train you in the use of subsurface geological knowledge opening a diverse range of career pathways in lower carbon geotechnology 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 storage. Other pathways include working in environmental and regulatory aspects of energy storage involving potential pollution; tracking subsurface fluids in the event of leakage from subsurface facilities and ground water resources.

Entry requirements

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

English language requirements

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Fees and funding

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

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Programme description
Based upon our highly successful on-campus MSc Carbon Management, this online programme uses a blend of interactive content, videos, virtual case studies and weekly online discussions to explore the economics and policy of climate change management. You will gain a detailed understanding of the economics of climate change, carbon footprinting, ecosystem valuation, energy systems and energy policy through the interdisciplinary nature of the programme.

This programme is designed for graduates with a passion for tackling climate change and who require the flexibility that online learning provides. The programme is affiliated with the University's Global Environment & Society Academy (GESA): www.ed.ac.uk/global-environment-society.

Programme structure
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:
- Carbon Economics: Climate Change Measurement; Energy & Climate. 

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 of people; 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 site: http://demo.climate.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, at government or non-governmental organisation (NGO) climate change advisors. Several of our graduates are now studying for a climate change focused PhD.

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.
Programme description
Our online MSc Carbon Management is a groundbreaking development of the award-winning campus-based programme. Building on the proven success and content of the established residential programme, this new online programme provides you with high-level knowledge and skills 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. This programme is affiliated with the University’s Global Environment & Society Academy (GES).

Programme structure
The programme is organised into three component certificates:
- PgCert Climate Change Management
- PgCert Carbon Innovation
- Applied Carbon Methods

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

Programme structure
The programme consists of 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.

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COMPELLARY COURSES PREVIOUSLY OFFERED INCLUDE:
- Climate Change Impacts and Adaptation; Climate Change Mitigation; Climate Change & Corporate Responsibility.
- Change and Global Change; Business Geographics; Marine Infrastructure and Environmental Change; Part of a rich and varied online community of people; and
- Ecosystem Values and Management; Forests and Sustainable Development; Data Integration and Exchange; Data Mining and Exploration; Ecosystem Services 1: Ecosystem Cycles and Interactions; Environmental Impact Assessment; Introduction to Environmental Modelling; Intro to Three Dimensional Climate Modelling; Marine Systems and Politics; Object Oriented Software Engineering; Spatial Algorithms; Participation in Policy and Planning; Principles and Practice of Remote Sensing; Principles of Geographical Information Science; Sustainable Development; and Water Resource Management.

Field trip
This programme includes a residential project management and field skills weekend in the Scottish Highlands.

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 unhindered opportunities to collaborate on research projects and find new positions in the field of carbon management. The main employment opportunities for our graduates 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
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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Programme description
This online programme will equip you with the analytical and communication skills to work in this important and growing field. It will suit students with a background in environmental or geographical sciences who have already come across remote sensing, or those with a background in physics, computer science or engineering looking for a career in an applied area. Graduates from the programme will be well-prepared to pursue subsequent research or find relevant employment. This programme builds on our successful Geographical Information Science (GIS) programme, which was the first of its type in the world and has a heritage of almost 30 years.

Programme structure
This programme includes taught courses and an individual dissertation.

COMPELLARY COURSES INCLUDED:

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

Semester 1: Ecosystem Dynamics and Functions; Principles of Environmental Modelling; Marine Systems and Policies; Political Ecology; Energy and Society; and Human Development Needs at Ground Level, we offer a unique eight.

Field trip
To experience and understand the conflict between ecosystem conservation and human development needs at ground level, we offer a unique eight day to ten day trip, usually overseas and in the developing world (previous destinations have included Kenya, Tanzania, and South Africa).

Career opportunities
Identifying ecological economic problems, and applying economic principles and methods to solve them, is increasingly in demand. Our graduates work in various 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 consultant, and 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
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Entry requirements
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.

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

Programme Director
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Programme Director
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Ecosystem Services

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

Programme description
This MSc enables you to undertake a critical analysis of how ecosystems benefit humanity, and how we tend to reshape, over-exploit and then restore the natural environment on which we depend. You will learn to identify and assess the multiple trade-offs involved in our use of the environment, paying close attention to social, economic and ecological concerns in different temporal and spatial scales. This programme addresses the growing demand for graduates who can effectively integrate natural and social science perspectives in environmental management, planning and policy making in a range of organisations.

Programme structure
The programme has been designed with a focus on developing skills that are in short supply in the environmental sector. Full-time, it comprises two semesters of taught courses, an Easter field trip and a dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:
The Ecology of Ecosystem Services; Analysing the Environment; Ecosystem Service Values; Analysing the Environment Study Tour; Research Project in Ecosystem Services.

RECOMMENDED OPTION COURSES
In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered: Environmental Valuation, Climate Change and Corporate Strategy; Environmental Geochemistry; Foundations in Ecological Economics; Frameworks to Assess Food Security; Principles of Environmental Sustainability; Human Dimensions of Environmental Change and Sustainability; Principles of Geographical Information Science; Fundamentals for Remote Sensing; Satellite Image Processing and Applications;Values and the Environment; Marine Systems and Policies; Research Skills in the Social Sciences; Data Collection; Understanding Environment and Development; Environmental Impact Assessment; Hyperspectral Remote Sensing; Introduction to Radar Remote Sensing; Land Use/Environmental Interactions; Participation in Policy and Planning; Political Ecology; Soil Science: Concepts and Application; Hyperspectral Remote Sensing; Land Use/Environmental Interactions; Participation in Policy and Planning; Political Ecology; Soil Science: Concepts and Application; Field trip
A week-long residential field trip to the Cairngorms National Park (Scotland), to develop practical experience and skills.

Career opportunities
UK research councils cite a major skills gap in the environmental sector, one of the biggest growth areas within the UK economy in recent years. Demand has never been higher for sound evidence on behavioural change, public engagement with energy issues, and public support for community and commercial investments in low carbon energy generation. We train you to translate complex science into effective policies and new business opportunities. We have strong links with government departments, energy-relevant NGOs and key industry players who want to make use of these skills. COMMITTED TO HELPING YOU MEET PROSPECTIVE EMPLOYERS AND NETWORK WITH THOSE ACTIVE IN THE FIELD, WE ORGANISE CAREER EVENTS AND ENCOURAGE DISCUSSIONS CONDUCTED IN PARTNERSHIP WITH EXTERNAL ORGANISATIONS.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in a relevant subject in the natural sciences or the social sciences, or in another relevant subject.

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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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 dilemma’ – how to achieve energy security, energy equity and environmental sustainability. This programme will equip you with the skills to understand a wide range 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 increasingly concerned about different types of energy systems. You will relate supply-side issues to goods, politics, and political economy, study energy demand in relation to broader challenges of sustainable consumption, and explore the potential of smart ICT to affect consumption and inform sustainable living choices. 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 levels of energy poverty. This programme is designed to examine links between local and global issues and explore best practice and sustainable energy management.

Programme structure
You will develop transdisciplinary perspectives on the energy dilemma and integrate qualitative and quantitative analytical skills. Your taught courses will be followed by a field trip, and your dissertation.

COMPULSORY COURSES PROPOSED INCLUDE:
Energy & Society I: Key themes and issues; Energy & Society II: Methods and applications; Energy Policy and Politics.

RECOMMENDED OPTION COURSES
Technologies for Sustainable Energy AND Energy and Environmental Economics; Principles of Environmental Sustainability; Global Environment: Key Issues; Global Environmental Politics; Resource Politics and Development; Evolutionary Development and Poverty in Africa; Principles of Sustainable Development; Human Dimensions of Environmental Sustainability; Climate Change Management; Case Studies in Environmental Impact Assessment; Knowledge and Expertise; Development, Science and Technology; Controversies in Science and Technology; Economic Issues in Public Policy; Political Issues in Public Policy. Our option courses are in six thematic areas: public policy; low carbon technology and economics; environmental sustainability; social studies of technology; development and poverty alleviation; and environmental politics.

Career opportunities
UK research councils cite a major skills gap in the energy sector, one of the biggest growth areas within the UK economy in recent years. Demand has never been higher for sound evidence on behavioural change, public engagement with energy issues, and public support for community and commercial investments in low carbon energy generation. We train you to translate complex science into effective policies and new business opportunities. We have strong links with government departments, energy-relevant NGOs and key industry players who want to make use of these skills. COMMITTED TO HELPING YOU MEET PROSPECTIVE EMPLOYERS AND NETWORK WITH THOSE ACTIVE IN THE FIELD, WE ORGANISE CAREER EVENTS AND ENCOURAGE DISCUSSIONS CONDUCTED IN PARTNERSHIP WITH EXTERNAL ORGANISATIONS.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in a relevant subject in the natural sciences or the social sciences, or a similar subject.

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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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 development pressures and themes 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.

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

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

RECOMMENDED OPTION COURSES
In consultation with the Programme Director, 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; Economic Issues in Public Policy; Ecosystem Services 1: Ecosystem Dynamics and Functions; Energy & Society 1: Key Themes and Issues; Environmental Valuation; Forests and Environment; Frameworks to Assess 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 International Politics of 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 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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Programme description
This exciting MSc programme provides the breadth and background to bridge disciplinary divides and tackle the environmental issues that face us all.

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

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.

Programme structure
The programme is not suitable for applicants pursuing a career in food security/ hygiene or related areas.

English language requirements
See page 28.

Programme description
In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered: Environmental Impact Assessment; Soil Protection and Management; Waste Reduction and Recycling; Marine Systems and Policies; Introduction to Environmental Modelling; Archives: History, Geography, Politics; Carbon Capture and Transport: Encountering Cities; Environmental Geochemistry; Foundations in Ecological Economics; Human Dimensions of Environmental Change and Sustainability; Humans and Other Species; Innovations in Sustainable Food Systems; Interpreting Development; Institutions and Practices; Key Concepts in Global Change; Marine Systems and Policies; Methodological Debates in Human Geography; Research Design in Human Geography; Soil Protection and Management; Sustainability of Food Production; Time, Place, Belonging; Understanding Time in Society; Topics in the Environmental Humanities; Understanding Environment and Development.

Field trip
An intensive, week-long study tour lets you refresh skills learned on the programme and develop new tools and techniques, useful during the dissertation process. The tour is currently held in Ifni, Morocco. In addition to the formal taught component, we provide visits to Medina in Marrakesh, and to a kasbah for tea. There may be also a short tour during induction week, to allow you to get to know your fellow students.

Career opportunities
Your expertise is in high demand within environmental consultancy, national and local government, non-profit organisations, education or research. Your choice of option courses and dissertation project can be used to target specific roles in your intended career path. Recent graduates are employed in sustainability related roles by organisations such as AMEC, Carneage Wave Energy, E.ON, ERM, FAO, German Council for Sustainable Development, Global Justice Now, Institute for European Environmental Policy, International organisations such as FAO and WFP have their headquarters. The field trip is an opportunity to apply some of the principles of food security to real world scenarios. The field trip is typically to Rome, where international organisations such as FAO and WFP have their headquarters.

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Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ internationalgraduate-entry). In a biological, environmental or physical science, geography, engineering, economics or another relevant subject. We may also consider a UK 2.2 honours degree, or its international equivalent, with industry experience.

English language requirements
See page 28.

Programme description
The programme is not suitable for applicants pursuing a career in food safety/hygiene or related areas.

English language requirements
See page 28.

Programme description
In consultation with your Personal Tutor, you will choose from a range of option courses. We have previously offered: Environmental Impact Assessment; Soil Protection and Management; Waste Reduction and Recycling; Marine Systems and Policies; Introduction to Environmental Modelling; Archives: History, Geography, Politics; Carbon Capture and Transport: Encountering Cities; Environmental Geochemistry; Foundations in Ecological Economics; Human Dimensions of Environmental Change and Sustainability; Humans and Other Species; Innovations in Sustainable Food Systems; Interpreting Development; Institutions and Practices; Key Concepts in Global Change; Marine Systems and Policies; Methodological Debates in Human Geography; Research Design in Human Geography; Soil Protection and Management; Sustainability of Food Production; Time, Place, Belonging; Understanding Time in Society; Topics in the Environmental Humanities; Understanding Environment and Development.

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Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ internationalgraduate-entry). In a biological, environmental or physical science, geography, engineering, economics or another relevant subject. We may also consider a UK 2.2 honours degree, or its international equivalent, with relevant work experience. This programme is not suitable for applicants pursuing a career in food safety/hygiene or related areas.

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In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered: Environmental Impact Assessment; Soil Protection and Management; Waste Reduction and Recycling; Marine Systems and Policies; Introduction to Environmental Modelling; Archives: History, Geography, Politics; Carbon Capture and Transport: Encountering Cities; Environmental Geochemistry; Foundations in Ecological Economics; Human Dimensions of Environmental Change and Sustainability; Humans and Other Species; Innovations in Sustainable Food Systems; Interpreting Development; Institutions and Practices; Key Concepts in Global Change; Marine Systems and Policies; Methodological Debates in Human Geography; Research Design in Human Geography; Soil Protection and Management; Sustainability of Food Production; Time, Place, Belonging; Understanding Time in Society; Topics in the Environmental Humanities; Understanding Environment and Development.

Field trip
An intensive, week-long study tour lets you refresh skills learned on the programme and develop new tools and techniques, useful during the dissertation process. The tour is currently held in Ifni, Morocco. In addition to the formal taught component, we provide visits to Medina in Marrakesh, and to a kasbah for tea. There may be also a short tour during induction week, to allow you to get to know your fellow students.

Career opportunities
Your expertise is in high demand within environmental consultancy, national and local government, non-profit organisations, education or research. Your choice of option courses and dissertation project can be used to target specific roles in your intended career path. Recent graduates are employed in sustainability related roles by organisations such as AMEC, Carneage Wave Energy, E.ON, ERM, FAO, German Council for Sustainable Development, Global Justice Now, Institute for European Environmental Policy, International Energy Agency, London Borough of Camden, Marine Conservation Society, Northumbrian Water Group, OECD, Ofgem, Parc, John Muir Trust, The Scottish Government, Transport for London, UNFCCC secretariat, World Resources Institute and Zero Waste Scotland.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ internationalgraduate-entry). In a biological, environmental or physical science, geography, engineering, economics or another relevant subject. We may also consider a UK 2.2 honours degree, or its international equivalent, with relevant work experience. This programme is not suitable for applicants pursuing a career in food safety/hygiene or related areas.

English language requirements
See page 28.

Programme description
In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered: Environmental Impact Assessment; Soil Protection and Management; Waste Reduction and Recycling; Marine Systems and Policies; Introduction to Environmental Modelling; Archives: History, Geography, Politics; Carbon Capture and Transport: Encountering Cities; Environmental Geochemistry; Foundations in Ecological Economics; Human Dimensions of Environmental Change and Sustainability; Humans and Other Species; Innovations in Sustainable Food Systems; Interpreting Development; Institutions and Practices; Key Concepts in Global Change; Marine Systems and Policies; Methodological Debates in Human Geography; Research Design in Human Geography; Soil Protection and Management; Sustainability of Food Production; Time, Place, Belonging; Understanding Time in Society; Topics in the Environmental Humanities; Understanding Environment and Development.

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Programme description
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Entry requirements
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English language requirements
See page 28.
Taught masters programmes

The University of Edinburgh

GeoSciences Postgraduate Opportunities 2018

Geographical Information Science

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

Programme description
This programme, accredited by the Royal Institution of Chartered Surveyors, offers expert understanding of the latest developments in geographical information science (GIS). It mixes practical training, theory and an ability to apply learned skills in any software environment, and offers hands-on experience in geographical problem solving.

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; Environmental Modelling: Case Studies in Sustainable Development; Ecosystem Services 1: Ecosystem Dynamics and Functions; Ecosystem Services 2: Ecosystem Values and Management; 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. Recent graduates are now working in a variety of GIS roles worldwide in public and private sector organisations, for employers such as Microsoft, Google, General Electric Aerospace, The World Bank, British Antarctic Survey, The World Conservation Monitoring Centre, Deloitte, Total, British Airways, the Forestry Commission, DEFRA, Clean Earth Energy, ARUP, Scottish Water, Green Highland Renewable and Historic 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.

English language requirements
See page 28. 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

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

www.ed.ac.uk/pg/795

Geographical Information Science & Archaeology

MSc 1 yr FT (2 yrs 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 combines the precision of 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, recording and research, and will also be equipped with the analytical and communication skills necessary to work in this vibrant area. Demand for the application of GIS within 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 COURSE PREVIOUSLY OFFERED INCLUDE:
- GIS and Spatial Analysis for Archaeologists; Research Practice and Project Planning; Spatial Modelling and Analysis; 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; Visual Archaeology.

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

Career opportunities
The expertise gained on this programme will allow you to continue to work in both public and private sector organisations, including Historic Scotland, English Heritage, the Royal Commission on the Ancient and Historic 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/international/graduate-entry). We may also consider a UK 2.2 honours degree, or its international equivalent, with relevant industrial or professional 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

www.ed.ac.uk/pg/798

Global Environment Challenges

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

Programme description
Human activity is changing the natural environment at an unprecedented rate. As a result, humanity faces a range of complex and interrelated challenges: global warming, ecosystem disruption, biodiversity loss, and, for many, increasing difficulty in meeting the basic human needs for energy, food, water and shelter. This part-time, online learning programme takes a multidisciplinary approach to understanding these contemporary environmental issues and will develop your capacity to address these issues in your professional life. Drawing from the University’s unique breadth of expertise, you will develop an in-depth appreciation of how human activity drives environmental change. The programme draws multidisciplinary expertise from the University and beyond, through the Global Environment & Society Academy, a network of experts developing innovative solutions for the world’s most challenging problems: www.ed.ac.uk/global-environment-society.

Programme structure
The certificate 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 IT skills and make contact with fellow students from around the world.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:
- Global Environment Challenges; Climate Change Mitigation; Ecosystem Values and Management.

MISC 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/pg/923

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/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.

Programme Director
Professor Mark Rousssevill
Tel +44 (0)131 651 4468
Email mark.rousssevill@ed.ac.uk

www.ed.ac.uk/pg/797

www.ed.ac.uk/geosciences

Key FT: Full time. PT: Part time.

The University of Edinburgh

Geosciences Postgraduate Opportunities 2018

Taught masters programme

www.ed.ac.uk/geosciences

The University of Edinburgh
Marine Systems & Policies

Taught masters programmes

Programme description
The programme is unique in Europe and beyond. It embraces a holistic, interdisciplinary approach to understanding the roles of humans and their connection to marine systems and marine ecosystems for survival and prosperity. We approach marine ecosystems as an integrated sociocultural system by focusing on three spheres of marine systems:

• Marine natural ecosystems – exploring marine conservation across diverse scales of marine biomes, habitats and species, spanning islands, coasts, estuaries, continental shelves, polar seas and global oceans.

• Marine policy systems – exploring the interactions and impacts of human activities on the marine environment, including marine policy development and management.

• Marine built systems – exploring blue growth opportunities e.g. the ingenuity and impact of human built environments in marine settings, from reshaping coastlines for cities, trade and travel, to the urbanisation of ocean environments driven by innovations in marine energy.

Programme structure
This programme involves two semesters of taught courses, integrated field trips and a dissertation-style research project.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

- Marine Systems and Policies
- Marine Infrastructure and Environmental Change
- Marine Field Methods in Research and Practice
- Research Project in Marine Systems and Policies.

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

- Global Context
- 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. The field trip will take place in either early January or April 2018. The trip has previously been to the Maldives and we anticipate a similar destination this year.

Career opportunities
This MSc provides a foundation for work with international agencies, marine sector governing bodies, marine-focused think tanks, consulting firms and NGOs – all organisations where an integrated understanding of marine ecosystems, environmental planning, local to international policies, and practice on the ground is desired.

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 evidence of critical skills 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 Meriwether Wilson
Tel +44 (0)131 650 8636
Email meriwether.wilson@ed.ac.uk

Soils & Sustainability

Taught masters programmes

Programme description
This programme in collaboration with Scotland’s Rural College. Soils form the basis of all agricultural production, but they also store water, mediate the impact of pollutants, provide biological habitats, have an impact on the accumulation of greenhouse gases in our atmosphere, are involved in dealing with society’s waste, are a source of extractable minerals and provide the foundations for the housing and roads on which society depends. As such, sustainable use and management are crucial to protect this vital natural resource for the future. This programme introduces you to concepts and analytical techniques of soil science for the 21st century and is suitable if you wish to pursue a career in land-based management or environmental protection.

Programme structure
You will complete two semesters of taught courses and a dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

- Soil Protection and Management
- Soil Science Concepts and Application

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

- Principles of Ecological Economics
- Water Resource Management
- Environmental Valuation
- Foundations in Ecological Economics
- Professional and Research Skills in Practice

Framework to Assess Food Security

Framework to Assess Food Security

Dissertation

Field trips
A week-long field trip to Poland provides an opportunity to see principles and practices of good soil management in action.

Career opportunities
You will gain valuable skills from our unique approach looking at impacts across ecosystems. Plant health scientists work in a broad range of vocations including: environmental consultancy, research, overseas development, environmental impact assessment and analysis, site reclamation and remediation, and conservation as well as advising on government policy, archaeological excavations and laboratory analyses, forensics and landscape design.

Entry requirements
A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/ international/graduate-entry). We 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 Jennifer Carfrae
Tel +44 (0)131 650 4417
Email jennifer.carfrae@stuc.ac.uk

Sustainable Plant Health

Taught masters programmes

Programme description
This programme in collaboration with Scotland’s Rural College. Food production has tripled in the past forty years, but one billion people still go hungry every year and average 30 per cent of all food produced is wasted in the pathway from ‘field to fork’. With the global human population set to rise from seven to nine billion by 2050, we urgently need sustainable solutions that will allow us to increase the global food supply while preserving the integrity of agricultural and non-agricultural ecosystems. Our programme faces new plant health threats that threaten areas of great natural beauty and diversity and affect both rural and urban landscapes. This unique programme gives you the opportunity to develop your understanding of the vital role of plant health, applying your skills by conducting laboratory and field studies. It is suitable if you wish to pursue a career in plant protection in agriculture, horticulture, forestry or urban settings, or in policy development and implementation, plant health inspection, academic and industrial research, consultancy and conservation management or private industry.

Programme structure
You will take two semesters of lectures and practicals and a dissertation-style research project.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

- Fundamentals of Plant Health
- Forensic Plant Health
- Plant Health in a Global Context
- Professional and Research Skills in Practice

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

- Global Context
- Principles of Geographic Information Science
- Principles and Practice of Remote Sensing
- Global Context
- Principles of Geographic Information Science
- Principles and Practice of Remote Sensing
- Global Context
- Principles of Geographic Information Science
- Principles and Practice of Remote Sensing

Field trips
A week-long field trip to Poland provides an opportunity to see principles and practices of good soil management in action.

Career opportunities
You will gain valuable skills from our unique approach looking at impacts across ecosystems. Plant health scientists work in a broad range of vocations including: 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 in plant or crop protection.

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
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Research at the School of GeoSciences

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, with the University achieving top ratings in 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 was rated world leading or internationally excellent.

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
- Earth and Planetary Sciences
- Dynamic leaders

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 concern, including 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 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 implications of changes in climate and the Earth system. Our aim incorporates some of the most pressing 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 address global challenges relating to resources, natural hazards and the environment. Our researchers seek better understanding of 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 seismicological, electromagnetic, 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 Advisory Group to the UK Department of Energy and Climate Change and also advises the Scottish Government.

Gabriele Hegerl is Professor for Climate System Science. She studies the causes of observed changes in climate, and detected the emerging signal of greenhouse gas increases in temperature data. She now studies causes of change in climate extremes and of climate variability and 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 silt 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.

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 the Nepal-Swiss Community Forestry Project in Kathmandu, or examining archaeological evidence in Iceland to evaluate the role of climate in environmental and cultural change.

Examples of our research partnerships can be found on page 19.

Research opportunities

Research at the School of GeoSciences is organised into six Joint Research Institutes dedicated to world-class research, innovation and education in engineering and mathematical science:

- Centre for Research on Environment, Society and Health (CRESH)
- Centre for Science at Extreme Conditions (CSEC)
- Edinburgh Materials and Micro-Analysis Centre (EMMAC)
- Edinburgh Research Partnership in Engineering and Mathematics (ERPem)
- Edinburgh Seismic Research (ESR)
- Environment, Society and Health (ESH)

The School of GeoSciences is represented by the following three research institutes:

- Centre for Research on Environment, Society and Health (CRESH)
- Centre for Science at Extreme Conditions (CSEC)
- Edinburgh Materials and Micro-Analysis Centre (EMMAC)

International Centre for Carbonate Reservoirs (ICCR)

ICCR is a strategic alliance between Edinburgh and Heriot-Watt universities investigating the recovery of hydrocarbons from carbonate reservoirs.

National Centre for Earth Observation (NCEO)

The NCEO is a partnership of scientists and institutions that are using data from Earth observation satellites to monitor global and regional changes in the environment.

Scottish Carbon Capture and Storage

led by the School of GeoSciences, this is the largest such grouping in the UK, with world-class expertise in hydrocarbon geoscience, industrial-scale chemical engineering, carbon capture and innovative CO2 use and power plant design.

Scottish Universities Environmental Research Centre (SERC)

This is a collaborative facility operated by the Universities of Edinburgh and Glasgow, providing world-class analytical facilities. It hosts several national Natural Environment Research Council facilities.

UK Geotraces

UK Geotraces is part of an international consortium founded to understand the oceanic cycles of key trace elements and isotopes.

www.ukgeotraces.com

For more information about our research centres, please visit:

www.ed.ac.uk/geosciences/research
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 environmentalists for companies including BP, the Met Office and many others.

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

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

www.ed.ac.uk/pg/105

Geography
(Human Geography)

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

Research group
Our research programme in Geography draws on expertise from the School’s Human Geography Research Group, part of the Geography and the Lived Environment research institute.

Research profile
The Human Geography Research Group is recognised for its leading contribution to research at the forefront of the field. The Group’s research efforts provide challenging new insights to core geographical concerns through four research themes:

- Just Geographies: Building upon human geography’s long-standing concern with the production and consequences of inequality and uneven development.
- 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 home, work 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) Training (1+3) postgraduate training programme and has the Research Training recognition in Human Geography, which is co-delivered with the Scottish Graduate School of Social Science. The group is a member of the ESRC’s Human Geography Consortium and the Kindred Consortium for Advanced Postgraduate Research Training in Human Geography. It has expertise in qualitative and feminist methodologies, archive use, and GIS-linked analysis of large datasets.

English language requirements
See page 28.

Fees and funding
The School receives sizeable studentship quota allocations from research councils and also offers studentships provided by successful consortium bids and research grants. School-funded scholarships are also available.

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

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

www.ed.ac.uk/pg/95

Atmospheric & Environmental Sciences

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

Research institutes
We offer research programmes in Atmospheric & Environmental Sciences (Environmental Sustainability) and the International Seismological Centre. (Environmental Sustainability). Both programmes draw on expertise from the following two research institutes: Global Change and Geography and the Lived Environment.

Research profile
Global Change
Our overarching aim is to improve the scientific understanding of past, present and future changes in the Earth system through measurements, theory and computational 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 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 a multidisciplinary research and teaching environment, integrating expertise across the Institute, the School and more broadly throughout the University.

Geography and the Lived Environment
We seek to generate agenda-setting research that improves understanding of the relationships between people, society and the environment. Our research investigates key areas of contemporary and historical societal concern, including development, climate change, inequalities, land-use change, ecosystem services, 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 scientifically described, but as it is lived. It is a multidisciplinary concept that brings together environmental science, geography, economics, policy, social science and computer science.

English language requirements
See page 28.

Fees and funding
The School receives substantial studentship quota allocations from research councils and also offers studentships provided by successful consortium bids and research grants. School-funded scholarships are also available.

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

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

The University is piloting PhDs by online learning. If you’re interested in studying with us this way, we’ve keen to investigate possibilities in some of our areas of research.

“I have been given the space necessary to explore all the possible angles of my research and decide which to focus on. Both my Supervisor and Programme Director have always been welcoming and encouraging to my suggestions and I found a great balance of freedom to explore and work on my research, but also support when I needed it.”

Candela Sanchez Rodilla Espeso, MSc Human Geography
case study: Edinburgh's research with impact

shaping policy on earthquake risk estimation and forecasting

After the devastating earthquake in Aquila in 2009, the Director of Civil Protection in Italy appointed the School of GeoSciences' Professor Ian Main as the sole UK member to the International Commission on Earthquake Forecasting (ICEF), based on his record of research into multiple aspects of earthquake predictability. The intent of the commission was twofold: to encourage investment in forecasting, and to prevent a repeat of the situation in Aquila. There, six members of the Italian Grand Risks Commission were convicted of manslaughter as a result of their perceived poor communication of the risks involved, although they were later acquitted on appeal.

Project background
Professor Main's research, using both statistical and rock physics approaches, has illuminated the difficulties of earthquake prediction.

His findings show that global earthquake data can be used to identify increases in the probability of earthquakes, but that deterministic predictive models for individual events, sufficient to justify a general evacuation, are unreliable.

These conclusions directly impacted the policy recommendations of the final Reports and Recommendations of the ICEF, which stated: 'Any information about the future occurrence of earthquakes contains large uncertainties and, therefore, can only be evaluated and provided in terms of probability. The report recommended investment in operational forecasting with clear communication of probability and uncertainty.

Project results
Thanks in part to Professor Main's findings, the ICEF report stalled policy innovation across the world. Research carried out in Edinburgh has influenced forecasting policy internationally, with the Italian Department of Civil Protection committing €1 billion to a 10-year research project on operational earthquake forecasting. It has also implemented a public education programme to better communicate probability and risk. Authorities in the US and New Zealand have also taken their cues from the ICEF report and initiated similar programmes. The report has also influenced policy development in Greece, Japan and Russia.

Research carried out in Edinburgh has influenced earthquake forecasting policy internationally.

See more online: www.ed.ac.uk/research/impact
About the School of GeoSciences

At the School of GeoSciences we examine the interactions between the 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.

The School of GeoSciences at the University of Edinburgh is at the forefront of modern-day geology, was an Edinburgh Heritage (James Hutton, the father of the science of geology) and is internationally renowned for its research excellence. We are proud to be ranked top in the UK for research power in the Research Excellence Framework (REF) 2014. We were also identified as having the greatest concentration of ‘world leading’ research in the UK, with around 400 dedicated experts and ‘internationally excellent’ researchers. We offer opportunities that are increasingly interdisciplinary and international in focus.

We are the largest geoscience research group in the UK, with around 400 academics and researchers. The quality of our research is second to none: we were ranked top in the UK for research power in the Research Excellence Framework (REF) 2014. We were also identified as having the greatest concentration of ‘world leading’ and ‘internationally excellent’ researchers in the UK. We offer dedicated expertise across our core teaching areas of ecology, environmental sciences, geography, geology, geophysics, meteorology and oceanography.

Illustrious past, exciting future

While we can draw upon a rich geological heritage (James Hutton, the father of the science of geology, was an Edinburgh alumnus), we don’t rest on our laurels. The School of GeoSciences is at the forefront of new developments and thought leadership. Our current staff and research collaborations build upon established prestige and reputation, continuing to break new ground in their understanding and application of the principles of geosciences.

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 our students to undertake work-based projects – collaborations with external organisations – 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.

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-GEO5 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 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/partnerships

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 Tephrochronology Service;
- the NERC Chemical Dating Facility;
- the NERC Chemical Dating Facility; and
- the NERC Geosciences (NERC recognised).

Among our facilities is the UK Biochar Research Centre, where we are leading the way in a rapidly developing field that offers the promise of carbon sequestration on a potentially global scale.

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.
This has been a great course – one of the best investments I have made in my life as an environmentalist and what I can achieve in the future. This is not only a career enhancer but has also brought a new aspect to 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.

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 generous support from our Geosciences Teaching Organisation, which helps with all aspects of the administration of your studies, while our dedicated programme directors and personal tutors are responsible for your academic and pastoral care.

If you are interested in 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.

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.

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 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 manages 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.

Observe 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 transferrable 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. Workshops cover topics such as writing skills, reference management tools, statistics, preparing for conferences, delivering presentations, time and project management, and personal development. IAD also offers online resources and planning tools to help get your research started, plus support for tutoring and demonstrating, and research public engagement and communication.

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, helping 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. ed internships to graduate posts and from careers fairs to postgraduate alumni events, we 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.

Community
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.

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Connect.ed
Edinburgh encourages its alumni to stay in touch with current students who share an academic background or are interested in a similar career path. Connect.ed is a networking system run by the Careers Service that provides an informal and confidential opportunity for alumni to share their occupational knowledge and experience with current students, who can contact them for advice and guidance on their future career.

More information: www.ed.ac.uk/careers/connected

Backing bright ideas
LAUNCH.ed is the University’s award-winning programme for student entrepreneurs. Each year, LAUNCH.ed works with hundreds of students to assess their ideas and develop their business skills and helps many start their businesses. Alumni have helped Edinburgh students and alumni launch almost 100 new businesses in the last three years, ranging from language tuition to robotics companies.

More information: www.LAUNCH.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.

More information: 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.

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

Tuition fees

The following table provides an overview of indicative fee levels for programmes commencing in 2018.

Figures marked * show the fee level set for the 2017/18 academic year. All other figures are indicative of expected fee levels for your studies during the 2018/19 academic year. 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

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.

Tuition fees for EU students

EU students enrolling in the 2018/19 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 for Scotland (SAAS).

For UK/EU students

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<td>Taught programme PT</td>
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<td>£7,000</td>
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For online courses

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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.
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.

**Funding**

**Scholarships at the University of Edinburgh**
- **Beit Trust**
  - Beit Trust and the University of Edinburgh Scholarships jointly 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: www.ed.ac.uk/student-funding/china-council
- **Edinburgh, Earth & Environment (E3) NERC Doctoral Training Partnership Scholarships**
  - There are a number of fully-funded scholarships within the E3 doctoral training partnership to address environmental challenges and provide flexible training in a multidisciplinary setting: www.ed.ac.uk/geosciences/postgraduate/apply/e3
- **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/development
- **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
- **Edinburgh Syrian Postgraduate Scholarships**
  - A number of scholarships are available to postgraduate students from Syria studying a full-time one year masters: www.ed.ac.uk/student-funding/postgraduate/syria
- **GeoSciences Head Of School Scholarships**
  - A number of scholarships are likely to be offered to applicants studying full-time masters: www.ed.ac.uk/student-funding/head-geo
- **Highly Skilled Workforce Scholarships**
  - A number of scholarships are available to UK nationals permanently domiciled in Scotland, and to EU nationals 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/stf-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/junyerere
- **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/mstfcardfndn
- **School of Geosciences Scholarships**
  - A number of part-funded UK/EU and international PhD scholarships are offered annually: www.ed.ac.uk/geosciences/postgraduate/phd/fees-funding

**Research council awards**

Research councils offer awards to masters, MPhil and PhD students in most of the Schools within the University of Edinburgh. All student 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 EU postgraduate research students commencing their studies in 2018/19 will retain their fee status and eligibility for research council support for the duration of their programme: www.ed.ac.uk/student-funding/research-councils

The University also offers a number of scholarships in partnership with the following overseas government agencies:
- **Chile**
- **Colombia**
  - Administrative Department of Science, Technology and Innovation (Colciencias): www.colciencias.gov.co
- **Ecuador**
  - Secretaria Nacional de Educacion Superior, Ciencia y Tecnologia (SENESCYT): www.educacionsenpcytec.gob.ec
- **Iraq**
- **Mexico**
  - National Council of Science and Technology of the United Mexican States (CONACYT): www.conacyt.mx
  - Banco de Mexico and the Banco de Mexico’s FIDHOR trust (FIDOREH): www.fidoremx.org.mx
  - Fundacion Mexicana para la Educacion, la Tecnologia y la Ciencia (FUNED): www.funedmx.org

**Pakistan**

**Loans available for study at the University of Edinburgh**
- The University is eligible to certify loan applications for UK loan students. Full details on eligibility and how to apply can be found online: www.ed.ac.uk/student-funding/loans

**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.commonwealth.org.uk
- **Marshall Scholarships (USA)**
  - Scholarships available to outstanding US students wishing to study at any UK university for at least two years: www.marshallscholar.org
- **Scotland’s Saltire Scholarships**
  - A number of scholarships open to students who are citizens permanently and ordinarily resident in Canada, China, India, Pakistan and the USA for one year of masters study: www.studentfinance.co.uk/student-funding/saltire

**Funding for online learning**
- The University 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
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.

Detailed maps can be found at: www.ed.ac.uk/maps

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

- **For Carbon Capture & Storage; Ecosystem Services; Marine Systems & Policies; and Applied Geoscience (Geoenergy)**, contact:
  - **Susie Crocker**
  - Tel +44 (0)131 651 7126
  - 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@sruc.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 pgsupport.geos@ed.ac.uk

**Visit us**
Our Postgraduate Open Day is your opportunity to come and meet current staff and students. Our next campus based Open Day takes place on 15 November 2017. For more information, visit: [www.ed.ac.uk/postgraduate-open-day](http://www.ed.ac.uk/postgraduate-open-day)

If you are unable to visit Edinburgh, contact info@geos.ed.ac.uk and we can arrange a video call with your prospective Programme Director or register your interest in a virtual Open Day.

**Our visits to you**
If you are unable to visit the University, we attend events throughout the year so you can meet and speak to us in person.

**UK and Europe:** [www.ed.ac.uk/postgraduate/uk-eu-events](http://www.ed.ac.uk/postgraduate/uk-eu-events)

**International:** [www.ed.ac.uk/international/our-visits-overseas](http://www.ed.ac.uk/international/our-visits-overseas)

**Chat online**
We offer all postgraduate students monthly online information sessions. To find out more and see when the next session will be: [www.ed.ac.uk/postgraduate/online-events](http://www.ed.ac.uk/postgraduate/online-events)

For international students, Edinburgh Global runs two online chat sessions each month. These are timed to give students in all timezones a chance to get involved. You can find out more and register online: [www.ed.ac.uk/international/chat-to-us-online](http://www.ed.ac.uk/international/chat-to-us-online)

**Follow us**
Follow the School of GeoSciences online:

- **Student Experiences Blog:** [http://edingeoscistudents.wordpress.com/](http://edingeoscistudents.wordpress.com/)
- **@UoEGeos_TO #geopgt:**
- **www.facebook.com/geosciences:**
- **http://instagram.com/edinunigeosciences**
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 2018 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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