



THE UNIVERSITY
of EDINBURGH

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

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15 Nov 2017
Postgraduate Open Day

www.ed.ac.uk/postgraduate-open-day

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 societal needs and the global challenges facing the world today. They are underpinned by four areas of research excellence in the School: future energy; sustainable landscapes and seascapes; hazard and risks; and health inequality and environment. We pay close attention to changes in the market and to scientific developments, ensuring our offering is up to date and that our programmes are designed with the ever-changing needs of our students at the forefront of our minds. We have recently launched MSc programmes in 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 proactively assist you in making 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 are flexible options if you prefer to study at home because of professional or family commitments.

Field trips

A number of our programmes incorporate residential field trips and day excursions that really enhance your learning experience and enable you to put valuable research and vocational skills into practice. Recent destinations include Tanzania (MSc Ecological Economics), Morocco (MSc Soils & Sustainability and MSc Environmental Protection & Management), Italy (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.

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

We are additionally privileged to host lectures by representatives from government organisations and industry, who contribute to our programmes, courses and dissertation supervision, providing you with the skills and contacts needed to fulfil your ambitions.

Each year the School hosts a Research Practitioner Mixer event designed to facilitate networking between you and a range of internal and external partners. Many students meet dissertation supervisors at this event or forge useful connections for future employment opportunities.

www.ed.ac.uk/pg/944

Applied Geoscience (Geoenergy)

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

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 geoenergy technologies, 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 stable isotopes.

Programme structure

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

COMPULSORY COURSES PROPOSED INCLUDE:

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

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses: *Ore Mineralogy, Petrology & Geochemistry; Seismic Reflection Interpretation; Carbon Capture and Transport; Helmsdale 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 geoenergy technologies and the disposal of energy-related wastes. These include radioactive waste disposal; carbon capture and storage; geothermal energy; and subsurface energy storage including compressed air energy 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 any relevant professional experience into account where appropriate. Evidence of mathematical ability is required.

English language requirements

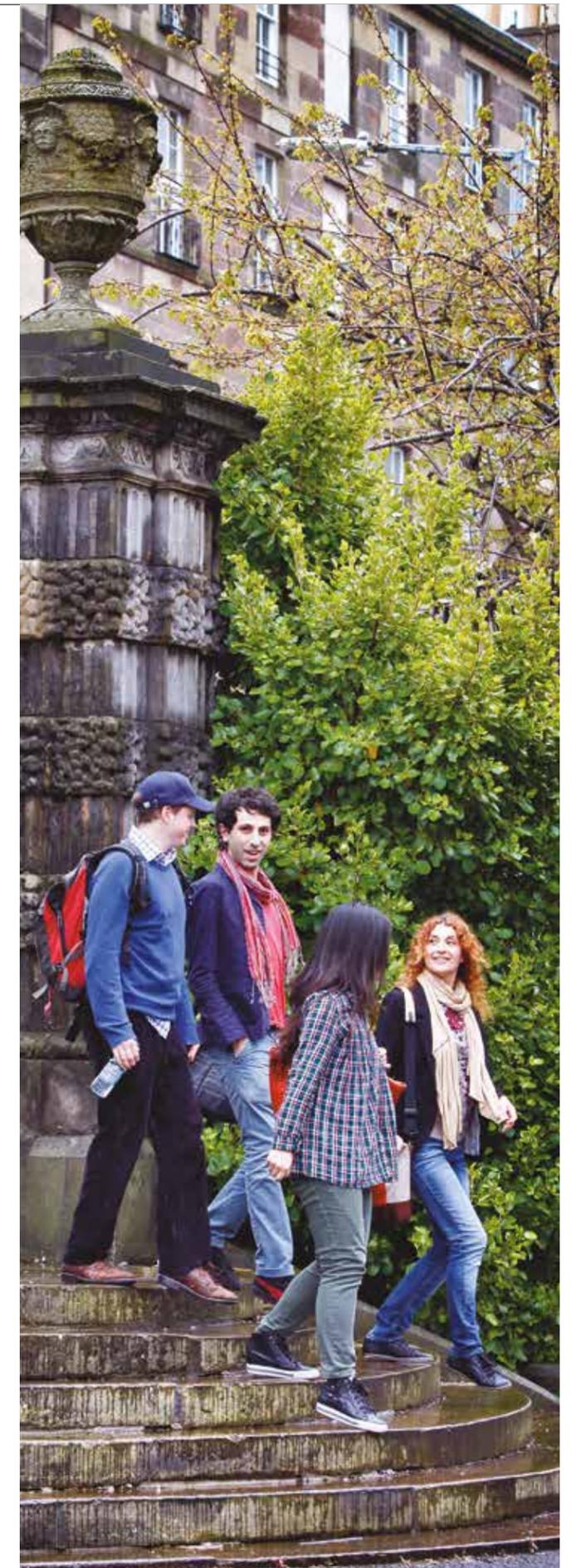
See page 28.

Fees and funding

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

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See also...

You may also be interested in taught postgraduate programmes offered by other Schools within the University, particularly the University of Edinburgh Business School and the School of Engineering.

www.ed.ac.uk/studying/prospectus-request

www.ed.ac.uk/pg/904

Carbon Innovation



PgCert 1 yr PT

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: <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, or as government or non-governmental organisation (NGO) climate change advisors. Several of our graduates are now studying for climate change focused PhDs.

Entry requirements

A UK 2.1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry) in any subject. We will also take any professional experience into account.

English language requirements

See page 28.

Fees and funding

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

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www.ed.ac.uk/pg/412

Carbon Management

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

Programme description

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

Programme structure

This programme consists of two semesters of taught courses. Each course consists of a balance of lectures, seminars, workshops and visits. You will then undertake individual dissertation project work.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Climate Change Impacts and Adaptation; Business and Climate Change; Carbon Economics; Climate Change Management; Applied Carbon Methods; Dissertation.

RECOMMENDED OPTION COURSES

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

Career opportunities

A key strength of our programme is the employability of our graduates. The programme, which has won the PricewaterhouseCoopers award for 'Teaching Employable Skills', provides the opportunity to conduct business carbon audits, work on placements with major industry groups such as the 2020 Climate Group, and conduct dissertation research as part of work-based projects with a wide range of external collaborators. Our graduates are enjoying roles ranging from government advisers and NGO researchers, to renewable energy project developers and commercial carbon management consultants. To see what more than 100 of our alumni are now doing, visit: www.geos.ed.ac.uk/homes/dreay/msccarbon.html

Entry requirements

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

English language requirements

See page 28.

Fees and funding

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

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www.ed.ac.uk/pg/899

Carbon Management



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

Programme description

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

Programme structure

The programme is organised into three component certificates:

- PgCert Climate Change Management
- PgCert Carbon Innovation
- Applied Carbon Methods (you must successfully complete both other certificates before taking this final component)

You will graduate with the postgraduate diploma if you take only the first two components.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Climate Change Impacts and Adaptation; Climate Change Mitigation; Climate Change & Corporate Responsibility; Carbon Economics; Climate Change Measurement; Energy & Climate; Applied Carbon Methods; Dissertation.

Studying online

As a student of one of our online programmes, you will:

- have the flexibility to study when most convenient for you;
- be able to study from anywhere with an internet connection;
- have access to all University services and relevant academics;
- become part of a rich and varied online community; and
- learn the latest developments from people working at the leading edge in your field.

To try our Virtual Learning Environment, please visit our demo: <http://demo.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, or as government or non-governmental organisation (NGO) climate change advisors. Several of our graduates are now studying for climate change focused PhDs.

Entry requirements

A UK 2.1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry) in any subject. We will also take any professional experience into account.

English language requirements

See page 28.

Fees and funding

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

Programme Director Professor David Reay

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Climate Change Management



PgCert 1 yr PT

Programme description

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

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

Programme structure

The programme comprises three compulsory courses that move from the science of climate change and its impacts, through the key adaptation and mitigation solutions, to examination of the business response to climate change, and the risks and opportunities it presents.

This certificate may be studied as a standalone qualification. Alternatively it may form one third of the online MSc Carbon Management, or half of the new online diploma in Carbon Management.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Climate Change Impacts & Adaptation; Climate Change Mitigation; Climate Change & Corporate Responsibility.

Studying online

As a student of one of our online programmes, you will:

- have the flexibility to study when most convenient for you;
- be able to study from anywhere with an internet connection;
- have access to all University services and relevant 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.

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Career opportunities

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

Entry requirements

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

English language requirements

See page 28.

Fees and funding

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

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www.ed.ac.uk/pg/874

Earth Observation & Geoinformation Management

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

Programme description

This interdisciplinary 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 comprises taught courses and an individual dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Active Remote Sensing: Radar and Lidar; Passive Earth Observation: New Platforms, Sensors, and Analytical Methods; Spatial Modelling and Analysis; Research Practice and Project Planning; Dissertation.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses: *Advanced Spatial Database Methods; Atmospheric Quality and Global Change; Business Geographics; Case Studies in Sustainable Development; Data Integration and Exchange; Data Mining and Exploration; Ecosystems Services 1: Ecosystem Dynamics and Functions; Ecosystems Services 2: Ecosystem Values and Management; Environmental Impact Assessment; Introduction to Environmental Modelling; Introduction to Three Dimensional Climate Modelling; Marine Systems and Policies; Object Orientated Software Engineering; Spatial Algorithms; Participation in Policy and Planning; Principles and Practice of Remote Sensing; Principles of Geographical Information Science; Technological Infrastructures for GIS; Technologies for Sustainable Energy; Visual Analytics; Water Resource Management.*

Field trip

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

Career opportunities

Graduates will benefit from our proven track record in helping students progress to roles with a diverse range of employers in the public, private and third sectors. Our graduates have entered employment with well known organisations such as Amey Infrastructure Services, British Airways, ESRI, General Electric, Google, Hewlett-Packard, Intergraph, Microsoft, Oracle, The Royal Bank of Scotland, Scottish Water, Sopra Group, SLR Consulting, Food and Agricultural Organisation of the United Nations and the World Bank, as well as continuing in academia.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry).

English language requirements

See page 28.

Fees and funding

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

Programme Director Noel Gourmelen

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Ecological Economics

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

Programme description

This programme is run in collaboration with Scotland's Rural College. It focuses on how to make sustainability and environmental management work in practice by applying economic principles. Graduates with this postgraduate training are in greater demand than ever before.

Programme structure

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

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Foundations in Ecological Economics; Applications in Ecological Economics; Environmental Valuation; Ecological Economics Field Methods in Research and Practice; Dissertation.

RECOMMENDED OPTION COURSES

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

Semester 1: *Ecosystem Dynamics and Functions; Principles of Environmental Sustainability; Marine Systems and Policies; Atmospheric Quality and Global Change; Encountering Cities; Frameworks to Assess Food Security; Introduction To Spatial Analysis; Principles of GIS; Distributed GIS.*

Semester 2: *Ecosystem Values and Management; Forests and Environment; Marine Infrastructure and Environmental Change; Participation in Policy and Planning; Waste Reduction and Recycling; Water Resource Management; Political Ecology; Energy and Society; Case Studies in Sustainable Development; Environmental Impact Assessment; Sustainability of Food Production; Understanding Environment and Development.*

Field trip

To experience and understand conflict between ecosystem conservation and human development needs at ground level, we offer a unique eight 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 economic modeller and resource economist, for employers such as DEFRA, Carbon360, Conservation International, Scottish Water and ADAS. It is also possible for graduates to progress to doctoral research.

Entry requirements

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

English language requirements

See page 28.

Fees and funding

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

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www.ed.ac.uk/pg/934

Energy, Society & Sustainability

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

Programme description

The world faces an 'energy trilemma' – how to achieve energy security, energy equity and environmental sustainability. This programme will equip you with an understanding of low carbon technologies, policies and markets, focused on analysis of social, societal and environmental dimensions of energy transitions. You will examine how citizens are involved in and are affected by changes in energy systems. You will relate supply-side issues to geo-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 provides case studies to examine links between global and local issues and explore best practice and sustainable energy management.

Programme structure

You will develop transdisciplinary perspectives on the energy trilemma and integrative 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 in the Global South; Energy & Society II: Methods and applications; Energy Policy and Politics.

RECOMMENDED OPTION COURSES

Technologies for Sustainable Energy AND Energy and Environmental Economics; Applications in Ecological Economics; Global Environment: Key issues; Global Environmental Politics; Resource Politics and Development; Governance, Development and Poverty in Africa; Principles of Sustainable Development; Human Dimensions of Environmental Sustainability; Climate Change Management; Case Studies in Sustainable Development; Science, 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 sectors 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 careers events and encourage dissertations 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 natural or 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.

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www.ed.ac.uk/pg/30

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.

The programme challenges you to cultivate research thinking that is cross-cutting and globally relevant, but also theoretically grounded, through focusing on particular issues, places or systems, and providing insights to real-world applications.

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

Programme structure

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

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Understanding Environment and Development; Development: Principles and Practices; Dissertation.

RECOMMENDED OPTION COURSES

In consultation with your Personal Tutor, you will choose from a range of option courses. We have previously offered: *Atmospheric Quality and Global Change; Development, Science and Technology; Displacement and Development; 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 and in sustainable agriculture and aquaculture.

Entry requirements

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

English language requirements

See page 28.

Fees and funding

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

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www.ed.ac.uk/pg/395

Environment, Culture & Society

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

Programme description

This exciting MSc gives you the breadth and background to bridge disciplinary divides and tackle the environmental issues that face us all. It provides up-to-date knowledge of the contemporary issues and debates on the relationships between the environment, nature, culture and society. This interdisciplinary programme draws on expertise from across the University, especially from geography, philosophy, theology, science, technology studies and development studies, providing a unique critical perspective. You will develop the research skills and abilities to assess the importance and implications of geographical, philosophical and other theoretical debates which shape environmental policy and practice. Our graduates are equipped to think critically, to generate new knowledge related to the environment, and to use this knowledge effectively to address urgent environmental challenges.

Programme structure

This programme consists of six taught courses, including four option courses, studied over two semesters. In addition, you will undertake an individual dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Values and the Environment; Political Ecology; Dissertation.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered: *Animals and Society; Archives: History, Geography, Politics; Atmospheric Quality and Global Change; Case Studies in Sustainable Development; Climate Change and Corporate Strategy; Climate Change, Justice and Responsibility; Encountering Cities; Environmental Impact Assessment; Forests and Environment; Global Environment and Society; Global Environment: Key Issues; Global Environmental Politics; Green Thoughts; Landscape, Environment and Literature; 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 Social 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.*

Career opportunities

Graduates have pursued careers in environmental policy, conservation, animal welfare, NGOs (environmental charities and development organisations), public consultation and PhD research. Recent graduates are now working for employers such as Conservation International, the National Forestry Commission and UNESCO.

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.

Fees and funding

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

Programme Director Dr Nina Morris

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www.ed.ac.uk/pg/31

Environmental Protection & Management

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

Programme description

This programme is run in collaboration with Scotland's Rural College (SRUC). Human activities are recognised as having an increasingly significant effect on the Earth's biosphere. Our use of natural resources, deforestation, soil erosion, the release of potentially toxic compounds and pathogens, and the increase in greenhouse gases are all examples of pressures that have potentially serious consequences for humanity and other life on Earth. This programme will give you a fundamental understanding of the issues affecting the Earth, enabling you to play a vital role in devising and enacting strategies to protect and conserve the environment, both in Europe and beyond.

Programme structure

This programme involves taught courses plus a research dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Atmospheric Quality and Global Change; Land Use/Environmental Interactions; Professional and Research Skills in Practice; Dissertation.

RECOMMENDED OPTION COURSES

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; Principles of Environmental Sustainability; Principles of GIS; Project Appraisal; Understanding Environment and Development; Values and the Environment; Sustainability of Food Production; Participation in Policy and Planning; Forests and Environment; Carbonate Sequence Stratigraphy; Climate Change and Corporate Strategy; Hyperspectral Remote Sensing; Political Ecology; Ecosystem Values and Management; Soil Science Concepts and Application; Water Resource Management.*

Field trip

An integral, 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 Imlil, Morocco. In addition to the formal taught component, we provide visits to Medina in Marrakesh, and to a kasbah for tea. There may also be a short tour during induction week, to allow you to get to know your fellow students.

Career opportunities

Our graduates often find employment in the environmental sector or choose further study with a PhD. Recent graduates are working in roles such as environmental protection officer, coral reef fieldwork leader and planning consultant for employers such as SEPA, Talisman Energy and the Archipelagos Institute of Marine Conservation. There are consultancy opportunities with environmental regulators, government and NGOs.

Entry requirements

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

English language requirements

See page 28.

Fees and funding

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

Programme Director Dr Alistair Hamilton

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www.ed.ac.uk/pg/32

Environmental Sustainability

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

Programme description

Ensuring the environmental sustainability of society is one of the major challenges facing humanity in the 21st century. How can the needs of the world's growing population be met without threatening the ecological processes that support human wellbeing? How can the economy and energy systems be restructured to combat climate change? What policies foster sustainability? How can the necessary changes in the behaviour of organisations and individuals be promoted? This programme explores these amongst other related, topical questions. In this programme, you will be encouraged to think across different disciplines to blend scientific, socio-economic and policy perspectives for a stronger understanding of sustainability and how it can be achieved. This integrated and holistic understanding is attractive to organisations which promote sustainable development or seek to reduce humanity's effect on the environment.

Programme structure

This programme consists of six taught courses, studied over two semesters. You will also undertake a research project leading to a dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Principles of Environmental Sustainability; Case Studies in Sustainable Development; Dissertation.

RECOMMENDED OPTION COURSES

In consultation with your Personal Tutor, you will choose from a range of option courses. We have previously offered: *Atmospheric Quality and Global Change; Development: Principles and Practices; Ecosystem Dynamics and Functions; Energy and Society; Energy Policy and Politics; Environmental Impact Assessment; Environmental Valuation; Forests and Environment; Foundations in Ecological Economics; Global Environmental Politics; Human Dimensions of Environmental Change and Sustainability; Marine Systems and Policies; Participation in Policy and Planning; Political Ecology; Sustainability of Food Production; Understanding Environment and Development; Values and the Environment; Waste Reduction and Recycling; Water Resource Management.*

Career opportunities

You will be prepared for roles 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 tailor your studies to support your intended career path. Recent graduates are employed in sustainability related roles by organisations such as AMEC, Carnegie 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, PwC UK, 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/international/graduate-entry), in a biological, environmental or physical science, geography, social science or other relevant subject. Due to the focus of this programme, business-related degrees are not suitable.

English language requirements

See page 28.

Fees and funding

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

Programme Director Dr Simon Allen

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www.ed.ac.uk/pg/668

Food Security

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

Programme description

This programme is run in collaboration with Scotland's Rural College. Food security has become a critically important issue for societies around the globe. Interactions between demographics, changes in diet, trade liberalisation, an increased focus on conservation, technological innovations including GM crops, the impact of climate change and new responses to climate change resource limitations (particularly in terms of energy, water and nutrients) all affect food security. With such a rapid growth in this area, there is an increasing demand for qualified experts to contribute to policy creation and legislation in food production and the supply chain. This unique MSc offers you the scope and multidisciplinary approach to address all of these issues, as well as an understanding of the technical, agronomic, environmental, economic and socio-political factors that influence food security. You will be equipped with the analytical and communication skills to contribute to humanity's efforts to achieve and sustain food security during the 21st century.

Programme structure

The programme comprises six taught courses and a dissertation.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Frameworks to Assess Food Security; Sustainability of Food Production; Interrelationships in Food Systems; Professional and Research Skills in Practice; Dissertation.

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; Ecosystem Services 1: Ecosystem Dynamics and Functions; Foundations in Ecological Economics; Human Dimensions of Environmental Change and Sustainability; Principles of Environmental Sustainability; Soil Protection and Management; Understanding Environment and Development; Marine Systems and Policies; Applications in Ecological Economics; Climate Change and Corporate Strategy; Interrelationships in Food Systems; Land Use/Environmental Interactions; Case Studies in Sustainable Development; Ecosystem Services 2: Ecosystem Values and Management; Environmental Impact Assessment; Soil Science Concepts and Application.*

Field trip

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.

Career opportunities

Graduates of this programme typically go on to work in government and non-governmental agencies as well as international bodies and businesses where they can utilise the invaluable, and highly prized, skills they have acquired on the programme, such as food security assessment.

Entry requirements

A UK 2:1 honours degree, or its international equivalent (www.ed.ac.uk/international/graduate-entry), in an agricultural, ecological, biological or environmental science, engineering, social science, economics, politics or other 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.

Fees and funding

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

Programme Director Dr Fiona Borthwick

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www.ed.ac.uk/pg/74

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; Atmospheric Quality and Global Change; Business Geographics; 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.

Fees and funding

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

Programme Director Dr Neil Stuart

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www.ed.ac.uk/pg/795

Geographical Information Science & Archaeology

MSc 1yr FT (2 or 3yrs 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 pedigree of Edinburgh's GIS expertise with a long-established reputation in archaeological teaching and research. You will gain a broad understanding of the use of GIS in archaeological surveying, recording and research and will 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 Analytics.*

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

Entry requirements

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

English language requirements

See page 28.

Fees and funding

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

Programme Director Dr Neil Stuart

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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 your IT skills and make contact with fellow students from across the world.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

Global Environment Challenges; Climate Change Mitigation; Ecosystem Values and Management.

MSC GLOBAL CHALLENGES

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

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www.ed.ac.uk/pg/872

Marine Systems & Policies

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

Programme description

This programme is unique in Europe and beyond. It embraces a holistic, interdisciplinary approach to understanding the roles of humans and their connection to the ocean and marine ecosystems for survival and prosperity. We approach marine ecosystems as an integrated socioecological 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** – examining different approaches to marine spatial planning and governance of marine ecosystems and services, through formal international to regional policies, laws and informal customs and traditional knowledge.
- **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, travel and trade, 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: *International Law of the Sea; International Law of the Marine Environment; Human Dimensions of Environmental Change and Sustainability; Ecology of Ecosystem Services; Ecosystem Values; Analysing the Environment; Environmental Valuation; Foundations in Ecological Economics; Applications in Ecological Economics; Water Resource Management; Principles of Geographic Information Science; Principles and Practice of Remote Sensing.*

Field trips

An international field trip to a tropical marine setting is part of this programme's research methods compulsory course. The field trip will take place in 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 sectors of government 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 clear evidence of experience and interest in marine topics.

English language requirements

See page 28.

Fees and funding

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

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www.ed.ac.uk/pg/781

Soils & Sustainability

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

Programme description

This programme is run 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 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; Soil Ecology and Taxonomy; Professional and Research Skills in Practice; Dissertation.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered: *Spatial Modelling; Geodiversity Conservation and Interpretation; Culture, Ethics & Environment; Analysing the Environment; Analysing the Environment Study Tour; Ecosystem Dynamics and Functions; Human Dimensions of Environmental Change and Sustainability; Development: Principles and Practices; Principles of Environmental Sustainability; Principles of GIS; Project Appraisal; Atmospheric Quality and Global Change; Frameworks to Assess Food Security; Ecosystem Values and Management; Environmental Impact Assessment; Land Use/Environmental Interactions; Participation in Policy and Planning; Sustainability of Food Production; Interrelationships in Food Systems.*

Field trip

An integral, 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 Imlil, Morocco. In addition to the formal taught component, we provide visits to Medina in Marrakesh, and to a kasbah for tea. There may also be a short tour during induction week, to allow you to get to know your fellow students.

Career opportunities

The British Society of Soil Science has identified soil science as an area with a shortage of critical skills, placing graduates in high demand. Soil 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 may also consider a UK 2:2 honours degree, or its international equivalent, with relevant experience. Please contact us to check before you apply.

English language requirements

See page 28.

Fees and funding

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

Programme Director Dr Jennifer Carfrae

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www.ed.ac.uk/pg/903

Sustainable Plant Health

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

Programme description

This programme is run 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. On 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 trees and forests face 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.

COMPULSORY COURSES PREVIOUSLY OFFERED INCLUDE:

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

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses. We have previously offered: *Applications in Ecological Economics; Atmospheric Quality and Global Change; Case Studies in Sustainable Development; Ecosystem Services 1: Ecosystem Services 2: Ecosystem Values and Management; Environmental Impact Assessment; Frameworks to Assess Food Security; Human Dimensions of Environmental Change and Sustainability; Interrelationships in Food Systems; Land Use/Environmental Interactions; Principles of Environmental Sustainability; Soil Ecology and Taxonomy; Soil Protection and Management; Soil Science Concepts and Application; Sustainability of Food Production; Understanding Environment and Development.*

Field trip

A week-long field trip to Poland provides an opportunity to see principles of sustainable plant health applied in a real world setting.

Career opportunities

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

Entry requirements

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

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www.ed.ac.uk/postgraduate/degrees

Understanding Earthquakes

Continuing Professional Development (CPD)

Programme description

This planned programme is intended to become part of a larger suite of CPD courses in Solid Earth Science for Disaster Risk Reduction.

In line with the Sendai framework for disaster risk reduction, many national and international humanitarian non-governmental organisations (NGOs), emergency response organisations and governments see an increasing need for a better understanding of the science underpinning their management of natural hazards. We therefore plan to offer a Continuing Professional Development course in Understanding Earthquakes for Disaster Reduction.

The programme will be aimed at providing an up-to-date view of the state of earthquake science with a practical, rather than academic, focus. We will cover the basics, from earth structure and plate tectonics to working with basic earthquake information and earthquake catalogues. We will address the key issues of earthquake prediction and forecasting developing a critical understanding of the strengths, and the limitations of earthquake science. We will provide a particular focus on operational aftershock forecasting techniques and the use of science in emergency response management.

At the end of the programme, you will be equipped to make critical evaluations of scientific information relating to earthquake hazard and risk and to make evidence based decisions on operational earthquake management.

Further information about this developing suite of programmes will be made available online. Please check for details.

“The programme has helped me get a deeper understanding of economics, anthropology, gender issues and policies. It also created a platform for me to perfect my leadership skills through forums such as The Skoll World Forum and receiving the Edinburgh Award on Transformative Leadership.”

Anita Owiti, MasterCard Foundation Scholar, MSc Environment & Development

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 Research Environment Council, Engineering and Physical Sciences Research Council and the Economic and Social Research Council.

Research community

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

Geography and the Lived Environment

This institute generates agenda-setting research that improves understanding of the relationships between people, society and the environment. Researchers seek to investigate key areas of contemporary and historical societal 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 compelling scientific challenges of the 21st century. To address these questions we nurture an interdisciplinary research and teaching environment, integrating expertise across the institute, the School of GeoSciences and more broadly throughout the University and beyond.

Earth and Planetary Sciences

This institute undertakes research that informs the solutions to 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 seismological, 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 silts and sands. Simon's research also extends to online teaching where he led a project to develop the virtual microscope for Earth science, an open educational resource: www.virtualmicroscope.org

International collaborations

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

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

Other projects focus on specific regions and communities, for example addressing issues of gender and social equality for 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.

Our research collaborations

We work with a wide range of research institutes, centres and universities around the world. Here is a selection of our partnerships.

Centre for Research on Environment, Society and Health

CRESH fosters collaborations between scientists whose research is focused on exploring how physical and social environments can influence health: <http://cresh.org.uk>

Centre for Science at Extreme Conditions

The aim of the CSEC is to promote the study of materials at extremes of pressure and temperature and in electromagnetic fields: www.csec.ed.ac.uk

Edinburgh Materials and Micro-Analysis Centre

We provide integrated and interdisciplinary facilities for the application of microbeam analytical techniques to material analysis: www.ed.ac.uk/geosciences/research/facilities/EMMAC

Edinburgh Research Partnership in Engineering and Mathematics

ERPem, a consortium involving the University of Edinburgh, Heriot-Watt University and Edinburgh Napier University, is organised into six Joint Research Institutes dedicated to world-class research, innovation and education in engineering and mathematical science: www.erp.ac.uk

Edinburgh Seismic Research

We are a federation of research groups forming the UK's largest group of scientists involved in exploration geophysics: www.geos.ed.ac.uk/seismic

International Centre for Carbonate Reservoirs

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

National Centre for Earth Observation

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: www.nceo.ac.uk

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: www.sccs.org.uk

Scottish Universities Environmental Research Centre

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: www.gla.ac.uk/research/az/suerc

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

Career opportunities

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

More information

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

PGR Recruitment Secretary
School of GeoSciences, Grant Institute, University of Edinburgh
West Mains Road, Edinburgh EH9 3JW, UK

Tel +44 (0)131 650 5422/5854
Email pgrsupport.geos@ed.ac.uk
www.ed.ac.uk/geosciences/postgraduate/phd

www.ed.ac.uk/pg/95
www.ed.ac.uk/pg/93 (Environmental Sustainability)

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 and Atmospheric & Environmental Sciences (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 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.

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

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

www.ed.ac.uk/pg/105

Geography (Human Geography)

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 group

Our research programmes in Geography draw 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.
- **Nature's Geographies:** Focusing on interactions between nature and society, environment and culture.
- **Materialising Geographies:** Examining the relationship between materiality, technology and geography.
- **Lived Geographies:** Concerned with how social, economic, political and cultural processes emerge from, and shape people's daily lives at 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) Research Training (1+3) postgraduate training programme and has the Research Training-recognised MSc by Research in Human Geography, which is co-delivered with the Scottish Graduate School of Social Science. The group is a member of the ESRC-recognised Scottish Human Geography Consortium and the Kindrogan 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 group receives a studentship quota allocation from the Arts & Humanities Research Council (AHRC) and the ESRC and also has studentships from successful consortium bids. 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



"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

www.ed.ac.uk/pg/69

Geology & Geophysics

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

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

Research profile

The Earth & Planetary Science research institute studies the physical and chemical properties, origin and history of the Earth, and encompasses the major disciplines of geology, geochemistry, geodynamics, meteorology and geophysics. We bring together hitherto separate fields to understand the way in which the Earth's subsurface works – from atoms to plates, and on timescales ranging from seconds to billions of years.

We have special expertise in mineralogy; igneous, metamorphic and experimental petrology; palaeontology; sandstone and carbonate diagenesis; tectonics; rock physics and chemistry; petroleum geoscience; seismic imaging; and seismic sequence stratigraphy.

Our research is applied to areas as diverse as carbon capture and storage and the examination of diamonds from the lower mantle. The Edinburgh Earth Observatory, part of the Earth & Planetary Science research institute, is a multidisciplinary research unit, providing a strategic focus and support base for the University's expertise in the geosciences. Its main research focus is on understanding the Earth and its environment through the effective exploitation of both in-situ and remote observations. The Earth & Planetary Science research institute, and our associated, new joint Graduate School, established by the Edinburgh Research Partnership in Engineering and Mathematics, now contains Europe's largest grouping of subsurface research geologists and specialist geophysicists in a single city.

Recent graduates are now working for the British Antarctic Survey, as geophysicists, geologists and hydrogeologists for various employers and as postdoctoral researchers for the Moredun Group and for universities worldwide from Cambridge to New Zealand.

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/84

GeoSciences Individual Project

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

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

English language requirements

See page 28.

Fees and funding

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

Programme contact PGR Recruitment Secretary

Tel +44 (0)131 650 5422/5854

Email pgrsupport.geos@ed.ac.uk

www.ed.ac.uk/pg/86

Human Geography

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

This programme's emphasis on independent research allows you to work closely with scholars who are leaders in their field. Research may be in any area of social, urban, environmental, development, political, economic, historical or cultural geography that is supported by the Human Geography Research Group. It is co-delivered with the University's Graduate School of Social Science. We offer a balance between general and specialist research training. The programme is recognised by the Economic and Social Research Council and the Arts and Humanities Research Council. A highlight of the programme is the postgraduate conference where students present their research to colleagues. The programme can stand alone as a masters, or form the first year of a '1+3' ESRC-backed PhD programme.

COMPULSORY COURSES OFFERED LAST YEAR:

Research Design in Human Geography; Methodological Debates in Human Geography; Core Quantitative Data Analysis 1 and 2; Research Skills in the Social Sciences: Data Collection; Dissertation in Human Geography.

RECOMMENDED OPTION COURSES

In consultation with the Programme Director, you will choose from a range of option courses. We particularly recommend: *Conducting Research Interviews; Contemporary Social Theory; The Documents of Life; Explanation and Understanding in Social and Political Research; Intermediate Inferential Statistics: Testing and Modelling; Listening to Children: Research and Consultation; Political Ecology; Qualitative Methods and Ethnographic Fieldwork; Survey Methods and Data; Values and the Environment.*

English language requirements

See page 28.

Fees and funding

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

Programme contact Fraser MacDonald

Tel +44 (0)131 650 2293

Email fmadonal@exseed.ed.ac.uk

www.ed.ac.uk/pg/927

Palaeontology & Geobiology

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

Research profile

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

The programme comprises three compulsory courses, *Research Planning and Management in GeoSciences; Project Design and Literature Analysis; Topics in Palaeobiology and Evolution*, a choice of option courses and a dissertation.

Dissertation

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

Fieldwork

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

Facilities

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

English language requirements

See page 28.

Fees and funding

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

Programme Directors Dr Stephen Brusatte / Professor Rachel Wood

Tel +44 (0)131 650 6039 / 650 6014

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



THE UNIVERSITY of EDINBURGH

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 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 probabilities'. 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 stimulated 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 will develop as a postgraduate student here will put you in an exceptional position to help make that future better. Spanning the entire spectrum of the geosciences field, we offer opportunities that are increasingly interdisciplinary and international in focus.

We are the largest geoscience research group in the UK, with around 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 modern-day 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-GEOS and the equipment is an Eco Diamond HK36 small aircraft – invaluable for measuring trace gas concentrations up to altitudes of approximately 3,000 metres.

We also offer excellent resources for scientific computing, for instance in geographic information systems, meteorological 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;
- Airborne 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.



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 ceilidh. 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.

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.

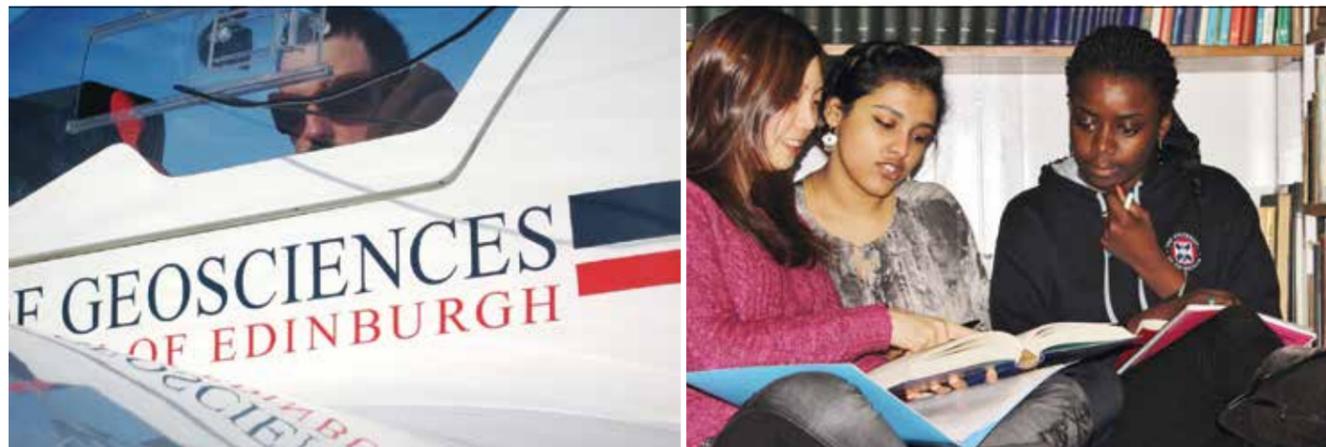
Peer support

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 organises social events, lectures and conferences, and maintains crucial links between you and our academic staff.

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

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

Ben Reid, MSc Ecosystem Services



Employability and graduate attributes

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

Observing changes in markets and external scientific developments, and incorporating these into our ever-evolving programmes, means we will equip you with those skills most in demand by employers. In addition to developing skills on field trips and during class, you will be encouraged to undertake research-skills training, including time management and academic referencing, and training in qualitative and quantitative skills provided by our academic staff and the Institute for Academic Development.

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

Institute for Academic Development

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

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

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

IAD also provides a comprehensive programme of transferable skills training, resources and support for researchers completing a doctorate. The workshop programme is designed to help you successfully prepare for the various milestones of your PhD, from getting started with your research, to writing up and preparing for the viva. 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.

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

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. We 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.



Scotland has an exceptionally rich diversity of geology, and is home to two UNESCO-supported Geoparks.
www.european-geoparks.org

Applications and fees

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

When applying, you will set up an account, which lets you save your application and continue at another time.

Full guidance on our application system is available at: www.ed.ac.uk/postgraduate/plying

General requirements

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

References

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

Deadlines

Masters

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

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

PhD

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

English language requirements

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

All MSc, MScR and PgCert programmes

- IELTS Academic: total 7.0 (at least 6.0 in each module).
- TOEFL-iBT: total 100 (at least 20 in each module).
- PTE(A): total 67 (at least 56 in each of the Communicative Skills sections; the Enabling Skills sections are not considered).
- CAE and CPE: total 185 (at least 169 in each module).
- Trinity ISE: ISE III (with a pass in all four components).

All MPhil and PhD programmes

- IELTS Academic: total 6.5 (at least 6.0 in each module).
- TOEFL-iBT: total 92 (at least 20 in each module).
- PTE(A): total 61 (at least 56 in each of the Communicative Skills sections).
- CAE and CPE: total 176 (at least 169 in each module).
- Trinity ISE: ISE II (with distinctions in all four components).

Please note:

- English language requirements can be affected by government policy so please ensure you visit our degree finder to check the latest requirements for your programme: www.ed.ac.uk/postgraduate/degrees
- Your English language certificate must be no more than two years old at the beginning of your programme.
- We also accept recent degree-level study that was taught and assessed in English in a majority English-speaking country (as defined by UK Visas & Immigration).

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

www.ed.ac.uk/english-requirements/pg

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

	Annual fee
Taught programme 1-year FT	£12,200–£13,800
Taught programme PT	£6,100–£6,900
MSc by Research 1-year FT	£7,900
MSc by Research 2-years PT	£3,950
All other research programmes FT	£4,195*
All other research programmes PT	£2,098*

Online Learning

	Annual fee
MSc	£14,700
PgCert	£4,900

For international students

	Annual fee
Taught programme 1-year FT	£24,200–£27,100
MSc by Research 1-year FT	£25,100
All other research programmes FT	£21,000

* Figure shown is the 2017/18 fee level
All other fees quoted are indicative of 2018/19 fee levels. Because these figures are indicative, it is important you check online before you apply and check the up-to-date fee level that will apply to your specific programme: www.ed.ac.uk/student-funding/tuition-fees/postgraduate



Funding

A large number of scholarships, loans and other funding schemes are available for your postgraduate studies. It is only possible to show a small selection in print. To see the full range, please visit: www.ed.ac.uk/student-funding/postgraduate.

Awards are offered by the School of GeoSciences, the College of Science & Engineering, the University of Edinburgh, the Scottish, UK and international governments and many funding bodies.

While securing funding is competitive, the School of GeoSciences makes every effort to find funding support for students with proven academic merit, enthusiasm to study with us and a good case for financial backing. Additionally, many students find their own funding from a variety of external sources.

Here we list a selection of potential sources of financial support for postgraduate students applying to the School of GeoSciences. This list was correct at the time of printing but please check the full and up to date range online (see above).

Tuition fee discounts

We offer a 10 per cent discount on postgraduate fees for all alumni who have graduated with an undergraduate degree from the University. We also offer a 10 per cent discount for international graduates who spent at least one semester at the University of Edinburgh as a visiting undergraduate: www.ed.ac.uk/student-funding/discounts

Key

- Taught masters programmes
- Masters by Research programmes
- Research programmes

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/phd/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/postgraduate/head-geos
- **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/sfc-hsw
- **Julius Nyerere Masters Scholarships (Tanzania)** ●●
One scholarship is available to citizens of Tanzania who are normally resident in Tanzania who are accepted on a full-time masters programme: www.ed.ac.uk/student-funding/nyerere
- **MasterCard Foundation Scholars Programme (Africa)** ●
A number of scholarships for applicants who are residents and citizens of a Sub-Saharan African country will be available for eligible masters programmes. The scholarships cover full tuition fees and expenses for accommodation and maintenance for African scholars with few educational opportunities: www.ed.ac.uk/student-funding/mastercardfdn
- **School of GeoSciences Studentships** ●
A number of part-funded UK/EU and international PhD studentships are offered annually: www.ed.ac.uk/geosciences/postgraduate/phd/fees-funding/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 studentship 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** ●●●
National Commission for Scientific and Technological Research (CONICYT): www.conicyt.cl/
- **Colombia** ●
Administrative Department of Science, Technology and Innovation (Colciencias): www.colciencias.gov.co
- **Ecuador** ●●●
Secretaria Nacional de Educacion Superior, Ciencia y Tecnologia (SENESCYT): www.educacionsuperior.gob.ec
- **Iraq** ●
Ministry of Higher Education and Scientific Research: www.iraqiculturalattache.org.uk
- **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 FIDERH trust (FIDERH): ●●●
www.fiderh.org.mx
Fundacion Mexicana para la Educacion, la Tecnologia y la Ciencia (FUNED): ●●
www.funedx.org

- **Pakistan** ●
Higher Education Commission, Pakistan (HEC): www.hec.gov.pk

Loans available for study at the University of Edinburgh

The University of Edinburgh is a participating institution in the following loans programmes, meaning we certify your student status and can help with the application process.

- **The Canada Student Loans Program** ●●●
The University is eligible to certify Canadian student loan applications: www.ed.ac.uk/student-funding/canadian-loans
- **Erasmus+** ●
The Erasmus+ Master Loan helps masters students with their living and tuition costs when studying in an Erasmus+ country other than where they live or where they took their first degree. For more information: <https://erasmusplus.org.uk/master-loan>
- **Postgraduate Loans (PGL) England** ●●
Student Finance England offers postgraduate loans for taught and research masters programmes, payable to eligible students: www.gov.uk/postgraduate-loan
- **Postgraduate Loans (PGL) Northern Ireland** ●●
Student Finance Northern Ireland offers a tuition fee loan for taught and research programmes, at certificate-, diploma-, and masters-level, which will be paid directly to the University: www.studentfinanceneni.co.uk
- **Postgraduate Loans (SAAS) Scotland and EU** ●●
The Student Awards Agency Scotland offers tuition fee loans for taught diploma and masters programmes which will be paid directly to the University. Full-time students resident in Scotland can also apply for a non-income assessed living cost loan: www.saas.gov.uk

Postgraduate Loans (PGL)

Wales ●●
Student Finance Wales offers eligible students postgraduate loans for taught and research masters programmes: www.studentfinancewales.co.uk

US Student Loans ●●●
The University is eligible to certify loan applications for US loan students. Full details on eligibility and how to apply can be found online: www.ed.ac.uk/student-funding/us-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.dfid.gov.uk/cscuk
- **Marshall Scholarships (USA)** ●●●
Scholarships available to outstanding US students wishing to study at any UK university for at least two years: www.marshallscholarship.org
- **Scotland's Saltire Scholarships** ●●
A number of scholarships open to students who are citizens permanently and ordinarily resident in Canada, China, India, Pakistan and the USA for one year of masters study: www.ed.ac.uk/student-funding/saltire

Funding for online learning

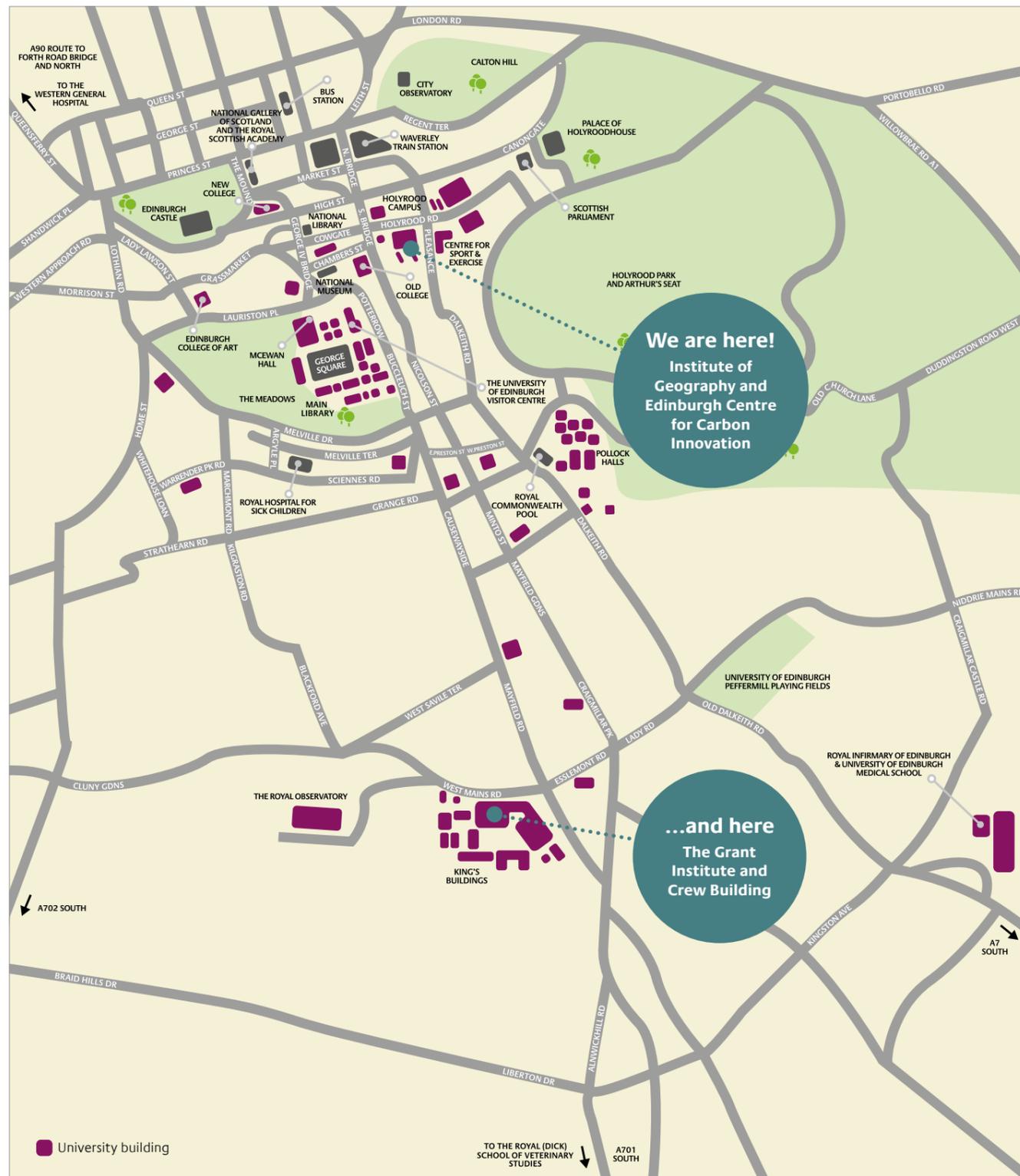
The University offers several scholarships specifically for online, part-time postgraduate programmes, including the Edinburgh Global Online Distance Learning Masters Scholarship, for which students can apply: www.ed.ac.uk/student-funding/e-learning/online-distance

Campus map

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



Get in touch

Contact us

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:

Elsbeth Martin

Tel +44 (0)131 535 4198
Email elsbeth.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 pgrsupport.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

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

International: 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

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

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Illustration by:

Katy Wiedemann, MA Illustration

The front cover shows a globe from the School of GeoSciences' historical collections. Globes powerfully symbolise planet Earth – home to humankind and the object of our research and study.

Made in late 19th century Germany, in Gotha, by the leading cartographic firm of Justus Perthes, this globe was gifted to John George Bartholomew of the Scottish map-making firm and, from him, to George Goudie Chisholm, first lecturer in the department of geography at the University of Edinburgh.

#drawntoedinburgh

This publication is available online at www.ed.ac.uk/postgraduate and can be made available in alternative formats on request. Please contact communications.office@ed.ac.uk or call +44 (0)131 650 2252.

Printed on Galerie Satin FSC mix, a Forestry Stewardship Council certified paper stock. It was manufactured to ISO 14001 certified environmental management standards, using an elemental chlorine free process. The inks used for printing are vegetable-based and do not contain any harmful volatile organic chemicals.

We have made every effort to ensure the accuracy of the information in this prospectus before going to print. However please check online for the most up-to-date information: www.ed.ac.uk

On 23 June 2016 the UK electorate voted in a national referendum to leave the European Union. At the time of going to print, there was no immediate, material change known that would impact on applicants for 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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