

MSc Earth Observation and Geoinformation Management

Postgraduate
Opportunities 2018

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THE UNIVERSITY *of* EDINBURGH
School of GeoSciences

Understand the use of Earth observation data within the context of geographical information science

The Earth Observation and Geoinformation Management programme aims to equip students with the necessary analytical and communication skills to be able to work in this important and growing field. The programme is interdisciplinary in nature and will be attractive to entrants principally with a background in environmental or geographical sciences, as well as to those with backgrounds in physics, computer science and engineering who are looking for careers in more applied areas. Students progressing from the programme will be well-prepared either to pursue a research degree or to find relevant employment in the field.

Studying MSc Earth Observation and Geoinformation Management (2018 entry)

Learning is through lectures, informal group discussion and individual study, as well as a short residential study tour. After two semesters of taught courses, you will work towards your individual dissertation.

Compulsory courses typically will be*:

Active Remote Sensing and/or Passive Earth Observation; Spatial Modelling and Analysis; Research Practice and Project Planning; Dissertation

Option courses may include*:

Principles and Practice of Remote Sensing; Atmospheric Quality and Global Change; Principles of Geographical Information Science; Sustainable Energy Technologies 4; Marine Systems and Policies; Technologies for Sustainable Energy; Introduction to Three Dimensional Climate Modelling; Geology for Earth Resources; Encountering Cities; Soil Protection and Management; Understanding Environment and Development; Advanced Spatial Database Methods; Data Integration and Exchange; Data Mining and Exploration; Environmental Impact Assessment; Forests and Environment; ICT for Development; Land Use/Environmental Interactions; Querying and Storing XML; Water Resource Management; Participation in Policy and Planning; Introduction to Environmental Modelling; Management of Sustainable Development; Communicable Disease Control and Environmental Health; Political Ecology; Epidemiology for Public Health; Object Orientated Software Engineering; Spatial Algorithms

**All courses are offered subject to timetabling and availability*

Entry Requirements

A UK 2:1 degree or equivalent in a relevant discipline.

Careers

Graduates will benefit from our proven track record in placing students with a diverse range of employers. Our GIS graduates have worked for Amey Infrastructure Services, British Airways, ESRI, General Electric, Google, Hewlett-Packard, Intergraph, Microsoft, Oracle, Royal Bank of Scotland, Scottish Water, Sopra Group, SLR Consulting, Food and Agricultural Organisations of the United Nations and the World Bank, as well as continuing in academia.

2018/19 tuition fees will be in the region of*:

Home/EU - £10,800;

Overseas/International - £23,700

**Please note that fees typically rise around 5% each year.*

Scholarships

Students applying for this programme may be eligible to apply for funding. Details of current opportunities may be found on our website. Deadlines apply so early application is encouraged.

How to Apply

For more information or to apply online, please visit:

<http://bit.ly/29YcmPy>

Contact us

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"...In addition to providing me with a thorough understanding of the fundamentals of GIS and remote sensing and how they interact, the Earth Observation and Geoinformation Management course also gave me the flexibility to explore my other topics of interest, picking up skills that complemented my background in the ecological sciences, and in doing so armed me with skills and experiences that I now find core to my work in industry."

- Xu Teo, recent MSc in Earth Observation and Geoinformation Management graduate