

# MSc Carbon Capture and Storage

Postgraduate  
Opportunities 2017

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THE UNIVERSITY *of* EDINBURGH  
School of GeoSciences

### *Developing the next generation of leaders who will implement the large-scale decarbonisation of the energy sector*

This outstanding MSc programme is the first of its kind in the UK, providing you with high-level skills and training across the entire breadth of the rapidly developing area of Carbon Capture and Storage (CCS).

As global energy demands are set to rise for the foreseeable future, fossil fuels will remain a central part of the way we generate energy. Carbon Capture and Storage (CCS) has been increasingly recognised as a technology that can help us meet our rising energy demands while minimising the amount of climate changing CO<sub>2</sub> we release into the atmosphere.

This MSc draws on our world-class interdisciplinary academic research and the insights we have gained from projects involving our industrial stakeholders.

### **Studying MSc Carbon Capture and Storage (2017 entry)**

This MSc programme is taught through a combination of lectures, practical classes and directed reading followed by a research dissertation. The programme includes industry guest lectures as well as opportunities for fieldwork and industry site visits to a range of locations.

The programme is delivered on campus and consists of four compulsory courses and 60 credits of optional courses. You may study this programme either full-time over one year or part-time over two or three years. Students can expect to put in of 600 hours of total study throughout the semester.

Designed for graduates of engineering or geoscience-related subjects, the programme provides you with high-level skills and training in the entire value chain of CCS, including combustion, transport, geoscience and legal aspects.

### **Compulsory courses typically will be<sup>\*A</sup>:**

Carbon Capture and Transport; Carbon Economics; Carbon Storage and Monitoring and a Dissertation

*\*Please note Hydrocarbons and Geology for Earth Resources are also compulsory if you do not have a degree in GeoScience.*

### **Option courses may include<sup>A</sup>:**

Climate Change and Corporate Strategy; Energy & Society; Energy Policy and Politics; Fundamentals for Remote Sensing; Hydrocarbon Reservoir Quality; Introduction to Radar Remote Sensing; Novel Strategies for Carbon Storage in Soil; Political Ecology; Principles of Geographical Information Science; Seismic Reflection Interpretation; Separation Processes For Carbon Capture; Spatial Modelling; Technology and Innovation Management; Understanding Environment and Development

*<sup>A</sup>Courses are offered subject to timetabling and availability.*

*"This MSc programme provides a unique cross discipline of carbon capture, transport, monitoring and storage, as well as carbon finance and management. The most exciting thing is you will have the opportunity to work with world renowned scientists in CCS field and sophisticated engineers from industries."*

- Yutong Shu, recent MSc in Carbon Capture and Storage graduate

### **Entry Requirements**

A UK 2:1 degree in an engineering or geoscience subject (or its international equivalent).

### **English Language Requirements**

IELTS 7.0 (with no score lower than 6.0 in each section) TOEFL-iBT: Total 100 (with no score lower than 20 in each section). A degree from an English speaking university may be accepted in some circumstances.

### **Careers**

Graduates can enter into all manner of jobs due to the transferable and highly desirable nature of the skills gained. However, typically our graduates pursue careers in business, industry, government and non-governmental organisations in the field of low-carbon energy production.

### **Industry Links**

Students may have the opportunity to collaborate with industrial partners on their research dissertation. Past projects have run in conjunction with the British Geological Survey, Doosan Babcock Energy, Wardell Armstrong LLP and the BG Group.

### **2017/18 tuition fees will be in the region of:**

Home/EU - £10,800

Overseas/International - £23,700

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

### **Scholarships**

The University of Edinburgh and the University of Regina (Canada) have established a C\$10,000 scholarship with the support of SaskPower for up to three CCS MSc students per year to undertake their dissertation project in Regina.

Furthermore, CCS has historically secured several Scottish Funding Council Full Fee Scholarships. Details of these and other current opportunities may be found on our website. Deadlines apply so early application is encouraged.

### **How to Apply**

For more information and to apply for this programme online, please visit:

<http://bit.ly/29T2Ccn>

### **Contact us**

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