



MANCHESTER
1824

The University of Manchester

GEOGRAPHY AND GEOLOGY AT MANCHESTER

UNDERSTANDING SURFACE PROCESSES

“ The research opportunities that exist for dedicated students here at Manchester, and particularly for those enrolled on the BSc Geography and Geology programme, are second to none. For my final year dissertation project I was given access to state of the art laser scanning survey equipment, workstations and modelling software, as well as the opportunity to work closely with world class researchers. As a direct outcome of this work, I have secured a joint petroleum industry and research council sponsored PhD and a publication with the Geological Society of London. ”

Tom Seers
BSc Geography and Geology

Are you interested in global change over the whole lifetime of the Earth? Are you interested in the origin and development of our landscape and the role plate tectonics plays in forming surface features? Would you like to learn about the history of life on Earth and about the exploitation and conservation of the living world? Are you concerned about the Earth's mineral resources and the environmental consequences of exploiting them?

If you are fascinated by rivers and seas, get excited when you spot unusual strata on a cliff, or just have a strong interest in physical geography, then this joint degree in Geography and Geology could be for you.

IS GEOGRAPHY AND GEOLOGY FOR YOU?

This varied course focuses on the natural processes that occur on the Earth's surface. Here at Manchester we offer a wide choice of units and field courses from both the School of Earth, Atmospheric and Environmental Sciences (SEAES) and the School of Environment and Development (SED) giving you options to focus more on geology or physical geography depending on your personal interests.

This course is also offered with the option to study for a year abroad.

All field courses run by SEAES are free – you just pay for food. You will also be able to take optional field courses. Fieldwork provides you with opportunities for travel and exploration and to put into practice the scientific skills needed for a career in industry or research.

REWARDING EXCELLENCE

We reward excellence and offer bursaries to applicants with excellent A-level results. You can also apply for a range of industrial scholarships once you have registered on your chosen degree. Each year we present awards to the top performers and recognise service to the school.

ENTRY REQUIREMENTS

Our typical A-level offer is AAB to ABB, which must include geography and one science subject.

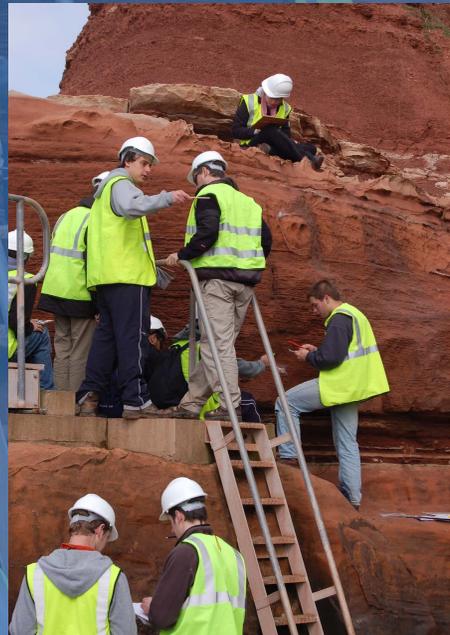
For further information about entry requirements, email us directly: ug-earth-sci@manchester.ac.uk

or visit: www.manchester.ac.uk/undergraduate/courses/search2013/bysubject/?index=EA

“ There’s a lovely atmosphere here and it’s a great place to study, and you get Manchester which is also a really great city to live in, work in, play in, and have fun in. ”

Elliot Brookes
BSc Geography and Geology

SEE THE WORLD DIFFERENTLY



We will train you in a wide range of laboratory and field skills and allow you to explore this broad subject. The course focuses on the processes that have shaped our Earth over millions of years and the interaction of the solid Earth with the atmosphere.

A MULTIDISCIPLINARY APPROACH

You will study Earth processes on all scales, from looking at minerals down a microscope to mountain building, global climate and even solar system evolution.

The course is split 50:50 between SEAES and SED with a wide choice of options in the 3rd year allowing you to explore more specific career paths and also providing an ideal foundation for a postgraduate Masters degree or entry into graduate employment.

We offer a wide choice of units and field courses from both schools and have options to focus more on geology or physical geography depending on your personal interests.

A Geography and Geology degree will give you new understanding of the world around you and insights appropriate to a global citizen of the twenty-first century.

BRINGING INDUSTRY TO YOU

A geography and geology degree from the School of Earth, Atmospheric and Environmental Science will equip you with the skills to be successful in whatever career you choose to pursue. Our courses are structured to give you a breadth of knowledge and transferable skills which make up the essential building blocks for academic and professional careers. You will benefit from having a dedicated careers officer both in the school and in the central university careers service, providing guidance on applications and preparation for interview.

We regularly have external companies from a variety of sectors visiting the school and put on a variety of careers events throughout the year.

SUPPORT WHEN YOU NEED IT

As an undergraduate student in SEAES, you have access to the whole range of central university support services. In addition we have an undergraduate resource room that is run by staff to help facilitate your learning; this includes mentoring schemes, peer assisted learning and drop-in classes. We also provide you with a personal tutor throughout your degree.

MAKING AN IMPACT

Research carried out by our academics has had a significant input into many areas from climate change, earthquakes, landslips, environmental remediation, gold mining to the nuclear industry. Also our scientists work closely with the petroleum sector helping the industry to meet its challenges in creating a safe, secure and environmentally responsible future in hydrocarbon resources.

“ My course is a combination between Geography and Geology. I went to Spain for just over a month for my dissertation studying the difference between the North and South side of the Cantabrian mountains. ”

Emily Kirk
BSc Geography and Geology

APPLY YOUR KNOWLEDGE



YEAR ABROAD

Between Years 2 and 3 you will spend a year studying geographical and geological topics at one of our partner universities. You will follow course units that complement those available here at Manchester.

During this time you will write a reflective journal in which you will document the insights you have gained from both your period of study and from engagement with the citizens of the host country.

When you return you will give a seminar to Year 2 students explaining what you have learned from your time abroad.

Your ability to pass the year will be determined by the exams you take at your host university as well as your reflective log and the seminar you present upon your return.

KEY STAFF

Dr John Nudds (Course Director) is a palaeontologist who works on the biostratigraphy of Carboniferous rocks in northern Europe, vital work for the exploration industries searching for economic resources in these 300 million year old limestones. He also directs an international team of specialists examining dinosaur embryos within their eggs and is a registered user of the European synchrotron radiation facility (ESRF) in Grenoble to undertake experiments on these fossils. He has authored several text books on palaeontology based on the courses he teaches at Manchester.

Dr Peter Ryan (Lecturer in Physical Geography) is a palaeoecologist whose research explores environmental changes over the last 10,000 years. Of particular interest is the environment of Late Mesolithic (Hunter-gatherer) and early Neolithic (agriculturalists) people and the degree to which these groups manipulated their environment. Other research interests include plant-climate relationships over the last 1,000 years in the Arctic, a region which has been described as a hotspot of recent climate change. He teaches on the first Year Environmental Research Methods course, the second year Environmental Change and Human Impacts course, the third year Coastal Processes course and on the overseas fieldcourse to Morocco.

WHY GEOGRAPHY AND GEOLOGY AT MANCHESTER?

- Excellent career prospects
- Strong industrial links that inform our teaching
- Taught by world internationally recognized scientists
- Multidisciplinary approach



BSc (Hons) Geography and Geology



BSc (Hons) Geography and Geology with a year abroad

OPPORTUNITIES FOR FURTHER STUDY



WHY THE UNIVERSITY OF MANCHESTER?

The largest of the prestigious Russell Group of Universities, Manchester has much to offer you. As well as outstanding facilities, resources and opportunities found within an institution of this calibre, the University is highly respected amongst academic and business communities alike – a respect that is conferred upon its graduates.

As a Manchester graduate, you will join a prestigious hall of fame, including 25 Nobel Prize winners among our current and former staff and students. We have more Nobel Prize winners on our current staff than any other UK university. In addition employers, actively target University of Manchester graduates, giving you excellent job prospects.

MEET OUR HEAD OF SCHOOL

“As Head of School of Earth, Atmospheric and Environmental Sciences at The University of Manchester, I warmly welcome your interest and am pleased to provide you with some background to your Geography and Geology degree at Manchester.

Our School is home to 47 academic staff with a wide range of interdisciplinary skills. They are world leaders in the areas of isotope geochemistry, mineralogy, cosmochemistry, palaeontology, structural geology, and petroleum geoscience, geomicrobiology, molecular geochemistry, environmental geoscience, atmospheric climate processes and air quality. Our staff members are internationally leading researchers and are dedicated to providing excellent training across our taught degree courses. Our students value close contact with our staff, who provide a supportive and stimulating learning experience. Should you choose to join us in Manchester, you can expect a degree that offers you excellent practical and theoretical training in all aspects of the discipline, and provides a structured approach to understanding scientific concepts, building core skills to independently analyse challenging problems.

As an atmospheric scientist myself, I can certainly say that knowledge of how the whole Earth system works and the development of key analytical skills are vital to analyse and interpret complex natural systems, and to address many of the current challenges in the world at the present time. These skills are very much in demand by employers and our close interaction with a wide range of industries has helped us to develop our courses to meet their future needs, providing excellent employment opportunities, whilst also providing you with skills you need to address our globally important current and future research challenges.

We look forward to you applying to Manchester to become part of a stimulating learning environment in a leading University. We are lucky to be located in the centre of an exciting international city and I feel sure you will find Manchester a vibrant, multicultural place to study and live”.

Prof Hugh Coe, Head of School

Contact us:
www.manchester.ac.uk/seaes

