

MANCHESTER  
1824

The University of Manchester



# GEOGRAPHY

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UNDERGRADUATE PROSPECTUS 2017 ENTRY

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[WWW.SEED.MANCHESTER.AC.UK](http://WWW.SEED.MANCHESTER.AC.UK)

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WITH A **WINNING**  
**HERITAGE,**  
WORLD CLASS  
RESEARCH AND  
OVER **25** NOBEL  
PRIZE WINNERS,  
STUDENTS AT  
THE UNIVERSITY  
OF MANCHESTER...



**PREPARE TO MAKE  
A DIFFERENCE**



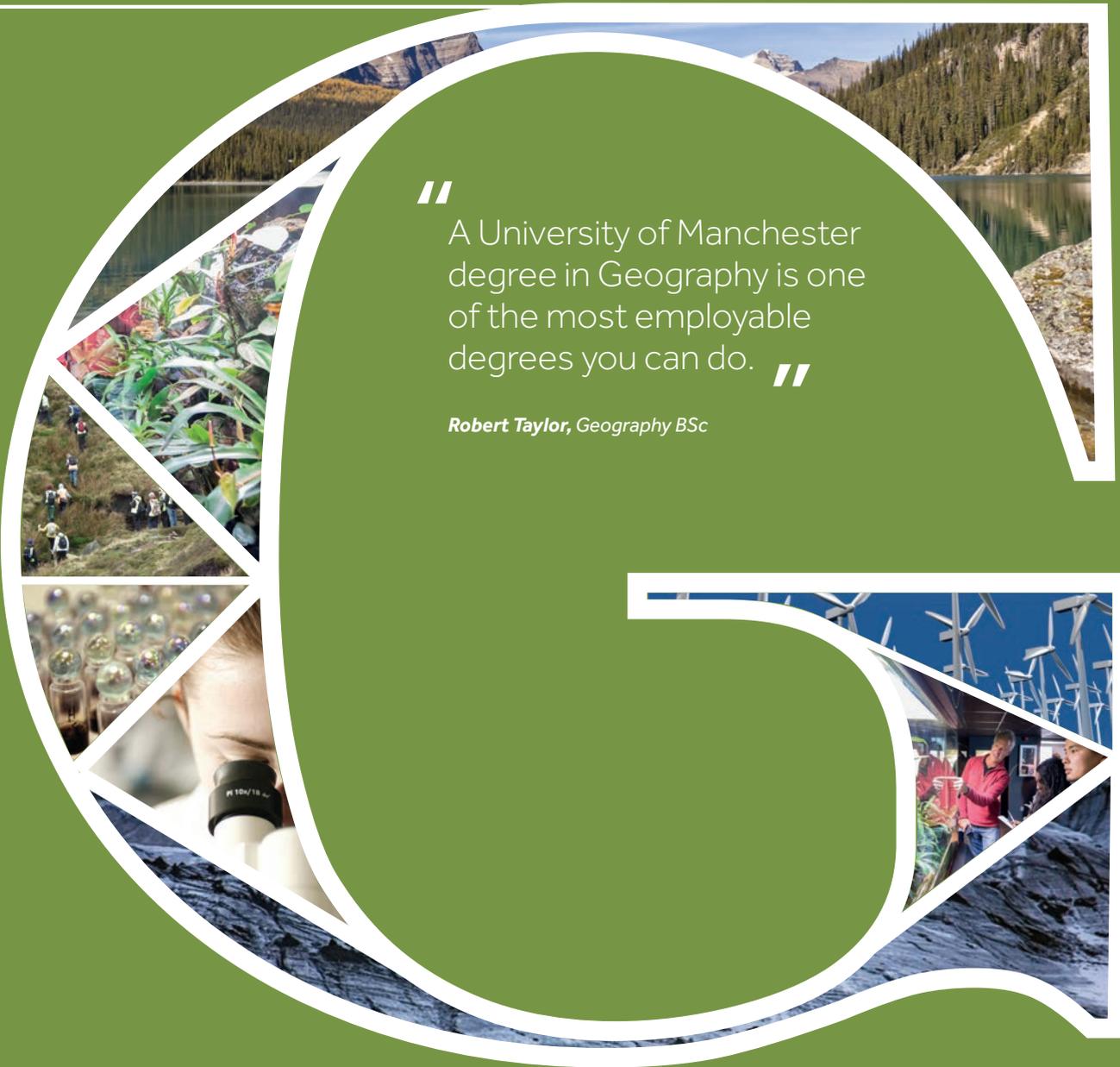
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**CHRIS RUDDY**

**BSc (Hons) Geography with International Study**

*"I chose Manchester because of its very strong reputation yet down-to-earth atmosphere, and of course the opportunity to study abroad for an entire year!"*

**A WORLD CLASS REPUTATION FOR PIONEERING GEOGRAPHICAL RESEARCH.** BRAND NEW STATE-OF-THE-ART PHYSICAL GEOGRAPHY LABORATORIES, WORLDWIDE FIELDWORK OPPORTUNITIES, AND EXCELLENT, ENTHUSIASTIC TEACHING.



“ A University of Manchester degree in Geography is one of the most employable degrees you can do. ”

*Robert Taylor, Geography BSc*

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**DID  
YOU  
KNOW?**



Our city's marriage of the historic with the modern – Manchester was voted the best city in the UK to live in, in the 2015 Global Liveability Survey

## THE UNIVERSITY OF MANCHESTER

is ranked...

**5<sup>th</sup>** IN THE UK  
&  
**8<sup>th</sup>** IN EUROPE

\*Shanghai Jiao Tong Academic Ranking of World Universities 2015

and is...

**11<sup>th</sup>** IN THE  
WORLD FOR  
GEOGRAPHY

\*QS World University  
Rankings 2016

# INTRODUCING MANCHESTER

## OUR UNIVERSITY

### MAKING THINGS HAPPEN

Influential, forward-thinking and down-to-earth, we'll give you an amazing university experience rooted in a rich academic heritage.

We turn enthusiasm into achievement and groundbreaking theory into practice.

We accomplish feats of global significance, from splitting the atom to giving the world graphene – the two-dimensional wonder material that is one atom thick but 200 times stronger than steel.

With more Nobel Laureates on our staff than any other UK university, and strong

links to industry and public services, we vitalise our undergraduate courses with pioneering research.

Join us at the heart of Britain's most popular student city.

Learn more about us:  
[www.manchester.ac.uk](http://www.manchester.ac.uk)

## OUR CITY

### ALWAYS MOVING FORWARD

Manchester lives on the edge of tomorrow, ever a step ahead in science, industry, media, sport and the arts. The Mancunian character, exemplified by the city's central role in the industrial revolution, strives for excellence in all walks of life.

This is a city of many accents,

having become a cosmopolitan magnet for students and professionals eager to experience its can-do attitude, independent spirit and cultural wealth.

Never content to live on past glories, Manchester has a passion for progress.

Discover what makes Manchester unique:

[www.manchester.ac.uk/cityofmanchester](http://www.manchester.ac.uk/cityofmanchester)



## YOUR EXPERIENCE

### MORE THAN JUST A DEGREE

From the flexible, 24/7 learning environment of the Alan Gilbert Learning Commons to the personal development opportunities and specialist support services we offer, we will empower you to be your best.

The University of Manchester is well underway with the biggest investment programme ever seen in UK higher education, having invested £750 million in our facilities since 2004, with another £1 billion to follow. Away from your studies you'll have access to the UK's largest student union, more than 300 student societies, and excellent sports and fitness facilities.

The only thing you won't experience is boredom. Hear from some of our students, graduates and staff:

[www.manchester.ac.uk/ug/profiles](http://www.manchester.ac.uk/ug/profiles)

## YOUR CAREER

### ON A COURSE TO SUCCESS

Recruiters target Manchester because our graduates are highly employable and we are the most targeted university by Britain's top graduate employers (High Fliers Research 2016).

We design our courses with your employability in mind. Our problem-based approach to learning inspires you to think critically, creatively, and independently.

Our careers service provides advice and mentoring services, and will connect you with employers who'll put you on a path to career success.

Take control of your career:

[www.manchester.ac.uk/careers](http://www.manchester.ac.uk/careers)

# APPLYING

ENTRY REQUIREMENTS*	GCSE or equivalent	GCE A level/Unit grades	Scottish Advanced Highers	Scottish Highers	International Baccalaureate
<b>Geography BA</b> 3yrs UCAS Code L700	C English Language & Mathematics	AAB	AAB	AAABB	35 points overall
<b>Geography BSc</b> 3yrs UCAS Code F802	C English Language & Mathematics	AAB	AAB	AAABB	35 points overall
<b>Geography with International Study BA</b> 4yrs, UCAS Code LF78	C English Language & Mathematics	AAA	AAA	AAAAA	36 points overall
<b>Geography with International Study BSc</b> 4yrs, UCAS Code FL87	C English Language & Mathematics	AAA	AAA	AAAAA	36 points overall
<b>Geography and Geology BSc</b> 3yrs UCAS Code FF68	CCC English Language, Mathematics & a science	ABB including a science & Geography	ABB including a science & at least 1 science subject	AABBB including 2 sciences & Geography	33 points overall
<b>Geography (MGeog Integrated Master's)</b> 4yrs, UCAS Code F800	C English Language & Mathematics	AAA	AAA	AAAAA	36 points overall
<b>Geography with Planning (MGeog Integrated Master's)</b> 4yrs, UCAS Code F801	C English Language & Mathematics	AAA	AAA	AAAAA	36 points overall
<b>Geography with International Development (MGeog Integrated Master's)</b> 4yrs, UCAS Code D320	C English Language & Mathematics	AAA	AAA	AAAAA	36 points overall

## FEES AND FUNDING

Please check our website for details of 2017 tuition fees for UK, EU and International students:

[www.seed.manchester.ac.uk](http://www.seed.manchester.ac.uk)

As a leading global centre of research and learning, The University of Manchester is committed to attracting and supporting the very best. More than a third of our students will receive bursaries of up to £2,500 per year and many will be offered even more generous support. UK students are not required to submit an application for any of the University's means-tested awards. We will automatically identify eligible students on the basis of the household income data provided by the Student Loans Company.

### THE MANCHESTER BURSARY

The Manchester Bursary is available to any student who is registered on an eligible undergraduate degree course at The University of Manchester and who has had a full financial assessment carried out by Student Finance. This bursary is additional to the government package of maintenance grants.

For further information, visit:

[www.manchester.ac.uk/study/undergraduate/student-finance/uk-eu/funding](http://www.manchester.ac.uk/study/undergraduate/student-finance/uk-eu/funding)

### THE HERBERTSON GEOGRAPHY MERIT AWARD

Information about awards and bursaries given by the School for geography students will be published on our website at:

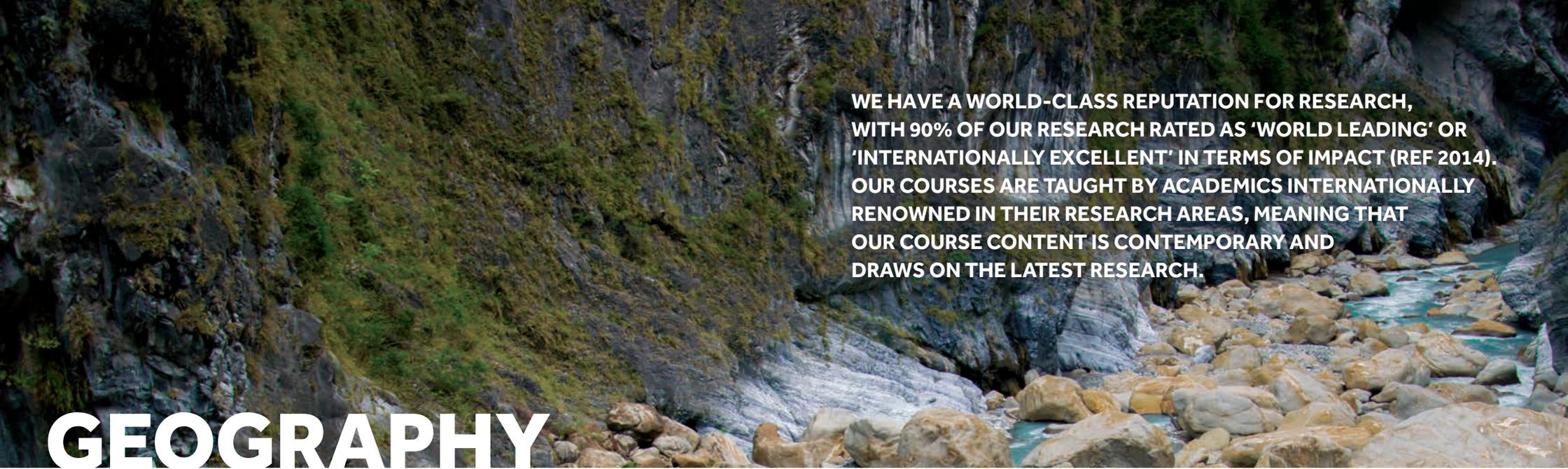
[www.seed.manchester.ac.uk/fees/undergraduate-funding](http://www.seed.manchester.ac.uk/fees/undergraduate-funding)

## DISABILITY SUPPORT

If you have a disability or medical condition, or you require additional support needs, we encourage you to disclose it in your application form. This information will enable us to contact you to identify what adjustments can be made and what support you will require once you arrive.

**\*PLEASE NOTE:** General Studies will not form part of the offer, but will be reviewed at confirmation. For qualifications not listed on opposite page, please visit our website: [www.seed.manchester.ac.uk](http://www.seed.manchester.ac.uk)

Above:  
Alan Gilbert Student Learning Commons and the Whitworth Building at The University



**WE HAVE A WORLD-CLASS REPUTATION FOR RESEARCH, WITH 90% OF OUR RESEARCH RATED AS 'WORLD LEADING' OR 'INTERNATIONALLY EXCELLENT' IN TERMS OF IMPACT (REF 2014). OUR COURSES ARE TAUGHT BY ACADEMICS INTERNATIONALLY RENOWNED IN THEIR RESEARCH AREAS, MEANING THAT OUR COURSE CONTENT IS CONTEMPORARY AND DRAWS ON THE LATEST RESEARCH.**

# GEOGRAPHY

## AT THE UNIVERSITY OF MANCHESTER

### OVERVIEW

Geography has been taught at Manchester for over 120 years. With more than 30 members of academic staff, geography is a strong discipline group with a wide range of teaching and research interests, and we have a vibrant community of undergraduate and postgraduate students. Our core philosophy involves working closely with our students, and as a result we enjoy some of the best staff-student relations in the country.

We can offer you an extensive choice of course units across your degree, plus, unlike many geography degrees, we offer you the opportunity to undertake heavily subsidised field work throughout your course.

Small-group learning is integral to a world-class education and every course unit includes small-group work such as tutorials, seminars, fieldwork, team projects, practicals and laboratory classes.

We structure our courses around human and physical geography. However, we allow you complete flexibility to either maintain breadth of study or to specialise in areas you are passionate about. We also believe it is essential to provide a broad education in geography whilst offering you opportunities to develop your skills for employment and your future career.

### SPECIAL FEATURES

- We are ranked 6th in the UK for Geography (QS World University Rankings 2016)
- One of Europe's best-equipped universities for studying geography, including analytical, microscopy, sediments and project laboratories
- Heavily subsidised field work throughout the course, including international visits

### OPPORTUNITIES TO STUDY ABROAD

Our BA/BSc Geography with International Study offers you the chance to study abroad for one year at a partner university in various European countries, Australia, New Zealand, Canada, Hong Kong, Singapore, or the USA. The third year of these four year courses is spent abroad and your dissertation work is usually related to this period of study.

Our BSc Geography and Geology with a year abroad, gives you the chance to study abroad at a partner university in Europe.

For more information, visit the study abroad section of the University website:

[www.manchester.ac.uk/study/international/study-abroad-programmes](http://www.manchester.ac.uk/study/international/study-abroad-programmes)

Above: Our students study the physical geography of environments across the world and participate in overseas fieldwork to locations including Iceland.

# WHICH GEOGRAPHY COURSE IS FOR ME?



The geography course here, being so flexible, allowed me to not only choose an elective unit in French, but also spend a semester of my second year at the Alpine Institute of Geography in the French Alps (through the European Erasmus programme). It was a fantastic opportunity that should not be missed. I also went to New York in my second year for overseas fieldwork (other options included Cuba, Iceland, Greece and Ireland), which, as most of my year group would agree, was one of the highlights of my course at Manchester.

**Lindsay Harper,**  
BSc Geography



Below top: Field trip to Crete  
Below bottom: Data mapping class  
Right: Geography students at Manchester Museum



HERE IS A QUICK GUIDE. FURTHER INFORMATION IS AVAILABLE ON PAGES 18 TO 26 AND ON OUR WEBSITE: [www.seed.manchester.ac.uk](http://www.seed.manchester.ac.uk)

## GEOGRAPHY BA/BSc

Entry requirements, curriculum and career opportunities are the same for our BA and BSc Geography degrees. You should decide which course to apply for on the basis of your A-level background, your interests within geography and your future plans. BA and BSc applications are considered on the same basis and your chances of gaining a place are the same for each course, as we have no separate quotas. **Do not apply for both BA and BSc courses, or you will just be wasting one of your UCAS choices.**

You begin with three main areas: human geography, people and environment, and physical geography. Topics include: economic, cultural, political, urban and historical geography; ecology; hydrology; palaeo environments; geoarchaeology; glaciology; climatology; geomorphology; remote sensing; and GIS.

## GEOGRAPHY WITH INTERNATIONAL STUDIES BA/BSc

Our standard three year BA/BSc Geography degree with the addition of an extra year studying abroad in a choice of European countries, or in Australia, New Zealand, Canada, Hong Kong, Singapore, or the USA. **As above, do not apply for both BA and BSc courses, or you will just be wasting one of your UCAS choices.**

## GEOGRAPHY AND GEOLOGY BSc

A three-year joint geography and geology degree which studies earth surface processes, including earth sciences and physical geography. This course is also available with an extra year studying abroad at a partner university in Europe.

## GEOGRAPHY INTEGRATED MASTER'S COURSES

Our standard three year BA/BSc Geography degree, plus a fourth year studying at master's level. Undergraduate tuition fees are applicable for each year of the four years, with the standard tuition fee and maintenance loans available for UK and EU students as for other undergraduate courses.

### Geography (MGeog Integrated Master's)

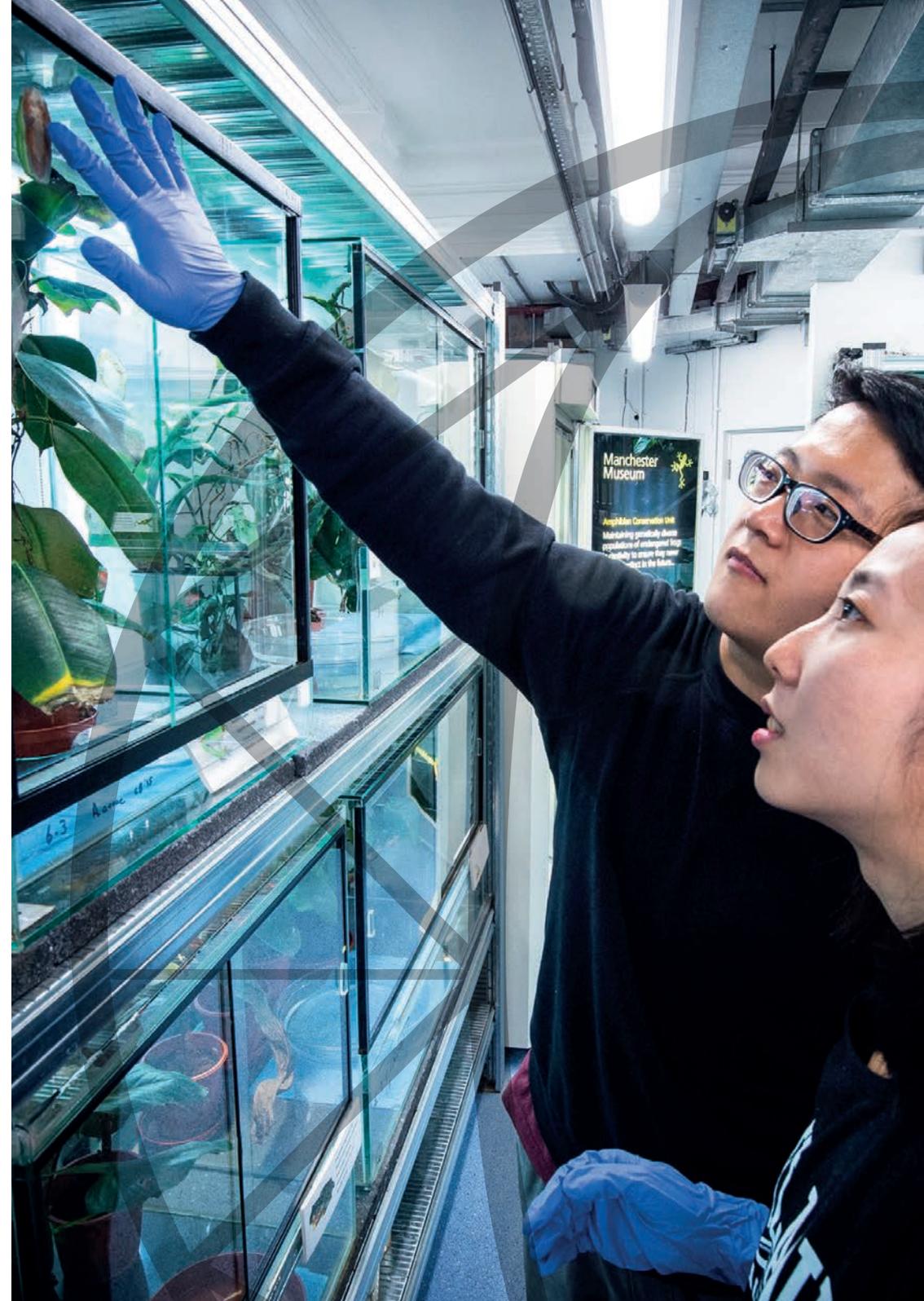
Learn how to evaluate geographical research and its application in policy, professional and commercial spheres.

### Geography with Planning (MGeog Integrated Master's)

Gain the knowledge and skills necessary for a professional career in planning and related areas.

### Geography with International Development (MGeog Integrated Master's)

Develop specialist understanding of international development principles, concepts and practice.



# COURSE DETAILS



My degree provided a unique opportunity to engage in geographic thought with staff and students alike. Some of the conversations I've had are amongst the most memorable of my life, and they are as much a part of learning the discipline as the taught aspects are.

**Joe Blakey,**  
Graduate



## HOW DO YOU LEARN?

We develop your ability to think critically, analytically and creatively. You will learn about contemporary issues and problems in ways that help you discuss and develop your own views on current societal and environmental debates.

In developing an understanding of these issues and problems, you will acquire a set of subject-specific skills associated with, for example, geographical representation (geographical information systems, remote sensing, visualisation) and field and laboratory analyses. You will also acquire the general skills that will serve you well after university, increasing your employability and allowing you to be a more active citizen. For example, team working, communication skills, and reflection.

You will encounter a number of different learning situations. Some, like the lecture sessions, are quite different from school or college in that the classes are much larger. As you proceed through your course there are more options from which to select and therefore lecture sizes decrease. From your first year, lectures are interactive with quizzes and debates, while discussions, debates and various forms of student presentations and activities allow you to think through the ideas and develop your own views.

Alongside lectures, there is small-group discussion. You will meet weekly in a tutorial with around eight other students throughout your first year, working together in debates, projects and field trips. Organised teamwork will encourage you to work in more informal teams, where you can discuss your reading and ideas from lectures. This helps you to work independently, taking more responsibility for your own learning.

## HOW ARE YOU ASSESSED?

In your second year, you will focus on different societies and environments to examine contemporary issues and get first-hand experience through an overseas field trip. The emphasis of these trips is very much on developing the independent research skills that are the hallmark of our graduates which makes them such highly sought after employees. Destinations may vary, but currently include Crete, Cuba, Pyrenees, New York, Iceland, Czech Republic, Amsterdam and Morocco.

The culmination of working independently is your dissertation in your third year. Although there are different models of a dissertation, most are based on evidence that you have collected yourself. The field, practical and laboratory classes in the first two years will provide experience of data collection and analysis.

The assessments are designed to provide you with feedback on your progress in understanding the subject and in developing essential skills. The assessment strategy uses a mix of assessment methods to reflect the variety of abilities and skills you will develop as you progress through your course. It includes: essays; individual and team projects; coursework assignments; posters; presentations; practical sessions; field notebooks; unseen written exams (essay and multiple choice); and a dissertation.

Through the mix of assessment types we aim to help you in a number of ways. Some of the assessment types allow fuller coverage of, and feedback on, your knowledge and understanding. Some are devised to allow rapid feedback, such as objective tests. Others aim to promote the development of argument, such as tutorial and coursework essay, or teamwork skills. Some test the extent to which you can carry out work independently, such as coursework essays and the dissertation.

Above:  
Geography mapping session

# GEOGRAPHY BA (HONS) & BSc (HONS)



During all stages of my degree, I have had the opportunity to attend field trips, ranging from trips to Chester Zoo to visits to the Peak District. However, my overseas fieldwork in my second year was my favourite field trip. I had a great time in Crete, and this was undoubtedly one of the most enjoyable aspects of my time at Manchester.

**David Gaunt**  
Geography BSc



Below: Students on the physical geography field course to the Pyrenees in Spain



## PRE-COURSE FIELD TRIP

As far as we know, we are the only university to run a pre-course field trip for its new geography students. It takes place over three days in the week prior to Welcome Week in September. The trip is a great opportunity to get to know your fellow students and future tutors. Field trips are an essential part of the degree and over these few days in the Lake District, you will learn about the physical and human geography fieldwork our students enjoy throughout the course.

## YEAR ONE

You will participate in: lectures; tutorials; skills-based activities; team projects; and carry out both human and physical geography fieldwork in the Manchester area. You will study core geography units to establish basic principles, concepts and skills:

- Human Geography: changing political, economic, environmental, social and cultural geographies are explored
- Physical Geography: explore climate and earth surface systems, including pollution and resource exploitation
- Researching Manchester: core research skills used in human and physical geography to explore the local and global significance of Manchester

In addition to core units, you can choose a further two geography units or take 'free choice' subjects, selecting from a wide range of units available throughout the University. These include: languages (e.g., Mandarin, German, French, Spanish, Italian, Russian); sciences (e.g., Biochemistry, Chemistry, Biology, Earth Science, Psychology, Maths); social sciences (e.g., Economics, Accounting, Planning and Landscape, Government, Politics, Anthropology, Sociology, Psychology, Women's Studies); and arts (e.g., English, Drama, Music, History, History of Art, Archaeology, Middle Eastern Studies, Philosophy, Religions and Theology).

## CORE UNITS TYPICALLY INCLUDE:

- Key Ideas in Geography
- Researching Manchester: Social and Environmental Methods
- Introducing Human Geographies
- Geographies of Sustainability
- Environmental Processes and Change: the Global System
- Physical Geography and Contemporary Environmental Issues

## Field courses

**Semester One** – Residential trip to the Lake District, Physical Geography in Manchester.

**Semester Two** – Human Geography in Manchester.

## OPTIONS

- Geographies of Globalisation
- Environmental Pollution
- Water Resources and Development
- Or up to two 'free choice' subjects

(NB Course unit list may change).

# GEOGRAPHY BA (HONS) & BSc (HONS)

## YEAR TWO

Lectures expand the themes established in first year. Small-group learning will allow you to discuss and develop your ideas and skills. In semester one, you will participate in the Skills for Geographers unit which will help you to enhance the transferable and professional skills that are critical for your future employability. You will also receive practical training in a range of real world geographical research skills such as environmental monitoring, working with data archives, ethnography and statistics.

In semester two, through tutorials, practical classes and lectures, you will begin work towards your dissertation which is handed in during your third year. You will also enjoy an overseas field trip to develop your research skills. In addition to core units, you will choose four units, either all from geography or up to two 'free choice' subjects – either continuing with your first year choice or choosing a new subject.

## CORE UNITS TYPICALLY INCLUDE:

- Skills for Geographers
- Overseas Fieldwork and Research Design

## Field courses

**Semester One** – Local area participation related to individual course unit.

**Semester Two** – Assessed overseas fieldwork: Crete, New York, Cuba, Amsterdam, Pyrenees, Czech Republic, Iceland, Morocco. All students attend one field course.

## OPTIONS

- Creative Geographies
- Everyday Geographies: Social and Cultural Methods and Concepts
- Development and Inequality
- North American Cities – Change and Continuity in the Metropolis
- Transport Infrastructure Geography
- Spatial Thinking with GIS
- Remote Sensing in Action: Mapping and Monitoring Land Cover Change
- Economic Geography: Understanding the Economy, Creating Economic Spaces
- Infrastructure and Urban Change
- Environmental Change and Human Impacts
- Glaciers
- Green Planet: Plant Ecology and Global Change
- River Catchments: Hydrology, Pollution and Management
- Quaternary Climates and Landscapes
- Or up to two 'free choice' subjects

(NB Course unit list may change).



Studying geography has allowed me to choose from varied subjects including, of particular interest to me, topics surrounding the environmental sector.

Although geography incorporates so many disciplines, the social side of geography life at Manchester is fantastic; the passion for the subject allows students to share things in common. This was particularly evident on the second-year field trips. I went to Crete and, although there was a mix of human and physical geographers on the trip, the group bonded with each other brilliantly, including the ever-enthusiastic lecturers.

**Tim Hall**  
Geography BSc



Below: Students on the human geography field course to Amsterdam



# GEOGRAPHY BA (HONS) & BSc (HONS)



## YEAR THREE

In your third year, you will choose four units from the approximately 15 options available in any one year. The range of optional course units is common to both the BA and BSc degree courses and allows you to get experience of geography at the research phase, as members of staff lead courses dealing with their areas of particular expertise. The large number of options on offer means you will be taught in small classes, making for a truly world-class learning environment. All lecture-based course units encourage student participation and often include a practical element. Most courses include field trips, and some are taught entirely in field locations, such as the island of Gozo or the Himalayas.

Your dissertation will draw together the different strands of the course and allow you to study a subject that really interests you. It requires you to conceive, plan, execute and write up a major independent and novel piece of research. Supervision is given by staff from the sub-discipline of geography most appropriate to the topic selected.

## CORE UNITS TYPICALLY INCLUDE:

- Dissertation

## OPTIONS

A balanced group of at least 15 of these course units will run in any year.

- Borders and Security in a Mobile World
- Social Constructions of Health and Disease
- Geographies of Food and Farming
- Cities and Consumption
- Hydrochemical Modelling: Pollution Prediction and Management
- Ice Age Earth: Global and Mediterranean Perspectives
- Coastal Processes: Sea Level Change and Marine Hazards
- The Frozen Planet, Satellites and Climate Change
- European Cities
- Energy, Society and Space
- Asian Workers and the Labour of Globalisation
- Climate Change and Carbon Cycling
- Dryland Environments: Past, Present and Future
- Understanding the Himalayan Landscape
- Geochronology
- Islands: Playful Human Geographies
- British Uplands: Science, Policy and Practice

(NB Course unit list may change).

Left above: Flooding in Bangladesh  
Left below: The Brooklyn Bridge – New York is one of the current human geography fieldwork destinations in Year Two

# GEOGRAPHY BA (HONS) & BSc (HONS)

## WITH INTERNATIONAL STUDIES

Our standard three year BA/BSc Geography degree with the addition of an extra year studying abroad in a choice of European countries, or in Australia, New Zealand, Canada, Hong Kong, Singapore, or the USA. You may choose to do your dissertation research whilst you are abroad, for which it is possible to gain financial assistance from the Zochonis Fund.

Previous geography students have enjoyed a high degree of success applying for funds and have gone as far afield as Australia and Peru to conduct their research. Your year abroad will be year three, and you will then return to Manchester to complete your final year.

## BENEFITS OF INTERNATIONAL STUDY:

- Enjoy the opportunity of a lifetime
- Broaden your horizons
- Grow as a person
- Boost your prospects in the job market
- Improve your language skills and cultural awareness
- Gain a new perspective on your subject area



It has been such a privilege to take a year of my life to leave everything that I know and move to a different country, immerse myself in the culture, to meet people from all over the world and travel. I don't think that you can replicate this experience any other time of your life.



*Emily Privett,  
Geography with International Study*

Right top: Sarah Winspear studied abroad in Canada  
Right below: Andrew McVitty studied abroad in California



# GEOGRAPHY AND GEOLOGY BSc (HONS)



This degree is run jointly by geography and the School of Earth, Atmospheric and Environmental Sciences.

It studies earth surface processes, making it of particular interest to students with a wide interest in the earth sciences, physical geography and the environmental sciences. Around that core, you may take options from the two subject areas. Do not be put off this course if you are interested in subjects such as landslides, climate systems, rivers, volcanoes and environmental hazards, but have not formally studied geology before, as this is the case for many of our students.

Throughout the course, lectures and seminars are balanced with practical and laboratory work. You will spend approximately half of your time in each subject; the first-year field course to Scotland is run by members of both subject areas. This helps to bring together the classroom and laboratory work of your first year in the two subject areas and integrate the different areas you have studied. In the second year, there is also a week-long field course to an overseas destination; in 2016 the destinations included Morocco and the Pyrenees.

This course is also available with an extra year studying abroad at a partner university in Europe.

## GEOGRAPHY

Geography gives you a choice of course units in all years. In the first year you will study the core course units from physical geography in each semester, and you are encouraged to choose your second course unit from the people and environment strand.

During your second and third years, you will have a wider range of course units to select from. Again, you can choose across the range of course units, but most students opt for physical geography and/or people and environment options. Details of core geography units can be found on pages 18 to 20.

## GEOLOGY

In geology – which is a new subject to many entrants – all students study the same 'foundation' course in their first year, which includes units such as Earth Materials, Geological Structures and Introductory Palaeontology. Choice is introduced alongside core options of Global Tectonics, Sedimentology and Stratigraphy in the second year; options include Structural Geology, Environmental Organic Systems and Mineral Deposits.

In your third year of study, there is one core unit in Earth Surface Processes, and a variety of options such as Ecosystems of the Past, Seismic and Volcanic Hazards and Computer Applications in Earth and Environmental Sciences.

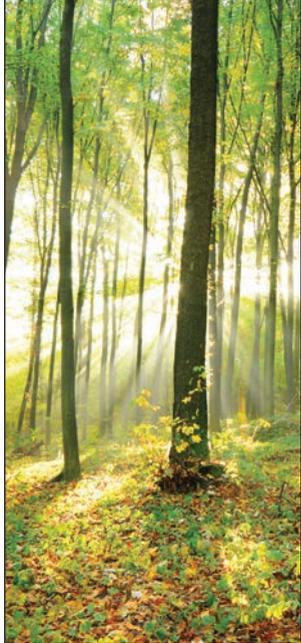
Left top: Field trip to Crete

Left below: Test tubes in the physical geography laboratories at Manchester

Right: Lunch break on the Morocco fieldtrip



## GEOGRAPHY (MGEOG INTEGRATED MASTER'S)



This integrated master's course combines our standard three year geography degree (details on pages 18 to 20) with a fourth year studying geography at master's level.

During your fourth year you will gain an advanced understanding of geographical knowledge and its place in the world. You will understand how such knowledge is produced, how it relates to existing bodies of knowledge and how it can be evaluated. As such, you will have refined your ability to critically reflect on the world around you, thus acquiring a strong basis for lifelong learning and active citizenship.

You will be able to interpret how geographical knowledge is translated into different 'real world' settings and underpins multiple careers and forms of employment. You will complete a year-long research project and take part in a year-long seminar and study programme where you will learn to evaluate geographical research and its application in policy, professional and commercial spheres.

Beyond the two core units, there are no restrictions on choice, giving you the ability to choose course units to tailor the course to your own interests. Each course unit will be taught by researchers who actively work in the field, giving you the opportunity to explore and engage with the latest geographical research.

### CORE

- Research Project
- Contemporary Geographical Research

### OPTIONS

- GIS and Environmental Applications
- Environmental Monitoring and Modelling Practice
- Applied Study Unit (work placement or a lab/computer project)
- Key issues in Environmental Governance
- Environmental Research Design and Application
- Doing Environmental Research
- Digital Image Processing and Data Analysis
- Environmental Remote Sensing
- Environmental Change and Reconstruction
- Or up to two third-year Geography options (see page 20)

(NB Course unit list may change).

Left top: The management of the rural environment is one area of interest for our students  
Left below: Our physical geography laboratories



## GEOGRAPHY WITH PLANNING (MGEOG INTEGRATED MASTER'S)

This integrated master's course combines our standard three year geography degree (details on pages 18 to 20) with a fourth year studying planning at master's level. The fourth year is designed to provide you with the knowledge and skills for a professional career in planning and related areas.

The course is accredited by the Royal Town Planning Institute (RTPI) and on completion you can apply to become a licentiate member of the RTPI. After at least two years of relevant professional experience and completion of the RTPI's Assessment of Professional Competence (APC), you can apply for full membership and become a Chartered Town Planner. Unlike freestanding RTPI accredited masters, all four years are eligible for student loan support.

### CORE

- Urban Theory, Planning Theory and Professional Practice
- Planning Powers and Procedures
- Analysis and Monitoring of Spatial Plans and Policy
- Land and Development
- Neighbourhood Planning
- Strategic Spatial Planning

### OPTIONS

- Environmental Change
- Urban Regeneration
- Urban Design
- Infrastructure and Spatial Planning
- Urban Development Planning
- Client Based Project
- International Planning (including fieldtrip)

(NB Course unit list may change).

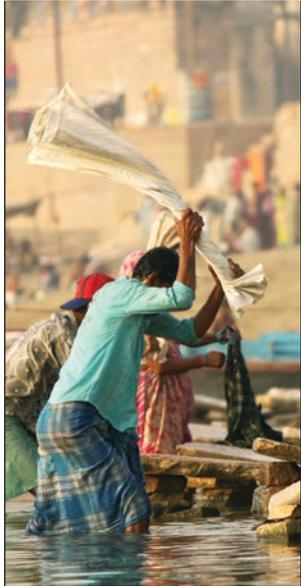
Right top: Beijing - Manchester is a centre of world-leading research in the urban environment and cities

Right middle: Alternative sources of energy

Right below: How populations live in the urban environment - regeneration and poverty reduction are areas some of our students choose to research



# GEOGRAPHY WITH INTERNATIONAL DEVELOPMENT (MGEOG INTEGRATED MASTER'S)



This integrated master's course combines our standard three year geography degree (details on pages 18 to 20) with a fourth year studying international development at master's level.

During your fourth year you will develop a specialist understanding of international development principles, concepts and practice, whilst critically engaging with the latest research in international development. You will develop the knowledge and skills to pursue a career in international development.

The University of Manchester is home to the UK's largest university-based postgraduate centre specialising in international development, and one of the world's leading centres for training and research on international development issues. Our research was ranked second in the UK for its impact and third on the quality of its research activity overall (Research Excellence Framework 2014).

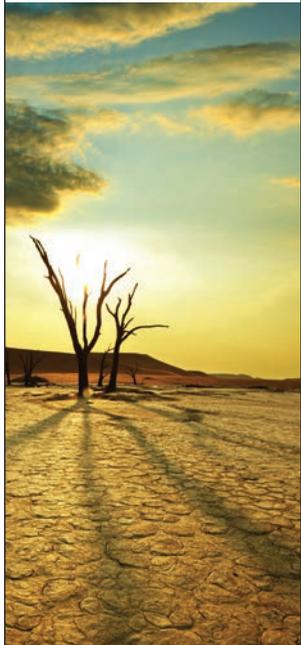
## CORE

- Understanding international development: seminar and reading group
- Development Fundamentals
- Development Research

## OPTIONS

- The Politics and Governance of Development
- Civil Society and Public Action
- Poverty and Development
- Environment, Climate Change and Development
- Global Inequalities and Social Development
- Globalisation, Trade and Development
- Conflict Analysis
- Global Political Economy
- Citizen-Led Development
- Anti-Poverty Transfers
- Climate Change, Disasters and Responses
- Planning and Managing Development
- Industrial Competitiveness and Global Transformation
- Reconstruction and Development

(NB Course unit list may change).





# FACILITIES

**ALL FIRST-YEAR STUDENTS UNDERTAKE PRACTICAL SESSIONS IN THE GEOGRAPHY LABORATORIES. SECOND AND THIRD-YEAR STUDENTS' USE OF THE LABORATORIES WILL VARY DEPENDING ON THE COURSE UNITS CHOSEN. THE SUITE OF FIVE GEOGRAPHY LABORATORIES IS SITUATED ON THE GROUND FLOOR OF THE ARTHUR LEWIS BUILDING**

Some units are very laboratory-intensive. Group projects out in the field are followed up with a series of laboratory classes, where you are encouraged to develop laboratory skills under the direction of staff and academics.

Students undertaking physical geography final-year dissertations are able to use the School's wide range of field resources, including coring, surveying and data-logging equipment.

## GEOGRAPHY LABORATORIES

### MAIN TEACHING LABORATORY

Most practical sessions take place in this laboratory which can accommodate up to 50 students.

### ANALYTICAL LABORATORY

This houses facilities for the analysis of a wide range of soil, sediment and water properties, including major and trace elements. Equipment includes:

- Inductively Coupled Plasma Optical Emission Spectrometer (ICPOES)
- Ion Chromatograph
- Total Organic Carbon Analyser
- Laser Granulometer
- Particle Size and Shape Analyser
- Inductively Coupled Plasma Mass Spectrometer (ICP-MS)
- X-Ray Fluorescence (core-scanning, benchtop and field portable)

### MICROSCOPY LABORATORY

Here you will find a suite of high-range, research-quality microscopes with image-capture facilities and 50 teaching microscopes with phase-contrast capability.

### SEDIMENTS AND PROJECT LABORATORIES

These are used for sample preparation, including ovens, furnaces and ball mills.

## COMPUTING AND TECHNICAL FACILITIES

### CLUSTERS

You will enjoy access to a wide range of high-quality computer services. Within the School there are computing facilities in the Arthur Lewis Building and at Humanities Bridgeford Street. All have the Microsoft suite of programmes and many are equipped with specialist software, for example, for GIS. Wireless networking facilities are available through the Arthur Lewis Building and Humanities Bridgeford Street.

### WORKING SPACES – ARTHUR LEWIS COMMON ROOM

As well as the different working spaces in the library, you can use the Arthur Lewis Building's Common Room. This big open space has internet access and there are a number of networked PCs. It is handily located next to Arthur's Brew, our own coffee shop, so that you can get your caffeine fix while you're working.

### LIBRARY RESOURCES

There are a rich variety of library resources available for geographers. Library resources are concentrated in the University's Main Library. This is the largest university library system in the UK apart from the copyright libraries and has a number of different working spaces. The Main Library is also home to the University Map Collection, which comprises about 100,000 map sheets of every part of the world.

We also have our very own Kantorowich Library, based in Humanities Bridgeford Street. The Kantorowich contains many of the teaching and learning materials that you will need during your time in Manchester, from books and journals to DVDs and past dissertations, as well as photocopiers and computer access to the University's electronic information resources.

Above: Arthur Lewis Building



# SOCIETIES

The University of Manchester Geographical Society is your point of contact for anything from where the best bars and nightclubs are in Manchester, to the location of your first lecture, tutorial or seminar.

## THE UNIVERSITY OF MANCHESTER GEOGRAPHICAL SOCIETY

The Manchester University Geographical Society (more affectionately known as MUGS) is a society run by geography students for geography students. It is the oldest society at the University, having been in existence for over 120 years. MUGS is your point of contact for anything from where the best bars and nightclubs are in Manchester, to the location of your first lecture, tutorial or seminar.

MUGS also organises many cheap social events throughout the year where students mix with other year groups. This can prove invaluable when it comes to exam period or choosing course units for the next semester. MUGS can offer a large range of discount wristbands and VIP entry during socials, which makes being a member truly worthwhile. The highlight of the social calendar is without doubt the end of year ball, or GloBall as it has been named.

On the academic side intellectual interests are met with guest lecturers, seminars and debates throughout the year. A great source of knowledge when it comes to essay writing or exam preparation.



Left: HOME cultural complex

There are also successful MUGS sports teams: Geography FC, MUGS Netball, MUGS Mixed Hockey and MUGS Rugby. Teams are open to all abilities and all are welcome.

You get chance to meet a selection of the MUGS committee for the coming academic year during the Keswick orientation trip just prior to welcome week. It is useful to know who the committee are, because they are there for you and they are always willing to answer questions about life in Manchester that you may not wish to ask a member of staff.

If you can't wait until Keswick to see what MUGS is all about, then have a look at the website:

[www.mugsoc.org](http://www.mugsoc.org)

or check it out on Facebook and Twitter.

We look forward to meeting you next year.

Above: Manchester skyline  
Right: Manchester students playing hockey



I decided to study Geography at Manchester because I really liked the idea of living and studying in a big, vibrant city with lots of nightlife.

*Lindsay Harper*  
Geography BSc



# GEOGRAPHY AND EMPLOYABILITY



Choosing to study Geography at Manchester is the best decision I have ever made and, since doing so, I have never looked back. Geography has provided me with a broad knowledge of many diverse subjects and important key skills that may be vital in providing me with fantastic opportunities in the future.

**Tim Hall,**  
BSc Geography



## CAREERS

**GEOGRAPHY GRADUATES ARE VERY EMPLOYABLE, WITH ONE OF THE BEST GRADUATE EMPLOYMENT RECORDS IN THE COUNTRY. YOU WILL GAIN A RANGE OF ANALYTICAL TECHNIQUES, INCLUDING LITERACY, NUMERACY AND ICT ABILITY, AS WELL AS SKILLS IN PRESENTATION, PROBLEM-SOLVING AND COMMUNICATION.**

Some of our graduates use geographical skills directly in careers such as environmental work, regeneration, planning and education. Many others follow a less specialist path in areas such as management, advertising, the media, social services, finance and the legal profession. You could also undertake postgraduate study or vocational training.

We have a careers noticeboard to inform you of forthcoming careers events and your academic adviser is available to provide one-to-one careers advice. Plus a member of the geography teaching team acts as an employability champion.

## SKILLS DEVELOPMENT

Our geography degrees are carefully designed to equip you with the skills that employers value, including: initiative; flexibility; teamwork; communication; information retrieval and research skills; independence; and the ability to solve problems, prioritise and manage your own time effectively.

These skills are enhanced through our Skills for Geographers unit in the second year. This unit draws on the expertise of the University's Careers Service and develops your skills within a geographical context, as well as helping you to prepare for job applications. The unit includes a section on CV writing, preparing for interviews and developing decision-making and negotiation skills, all of which feature in recruitment exercises.

Our choice of three geography integrated master's courses will provide you with specialised knowledge and specific skill sets.

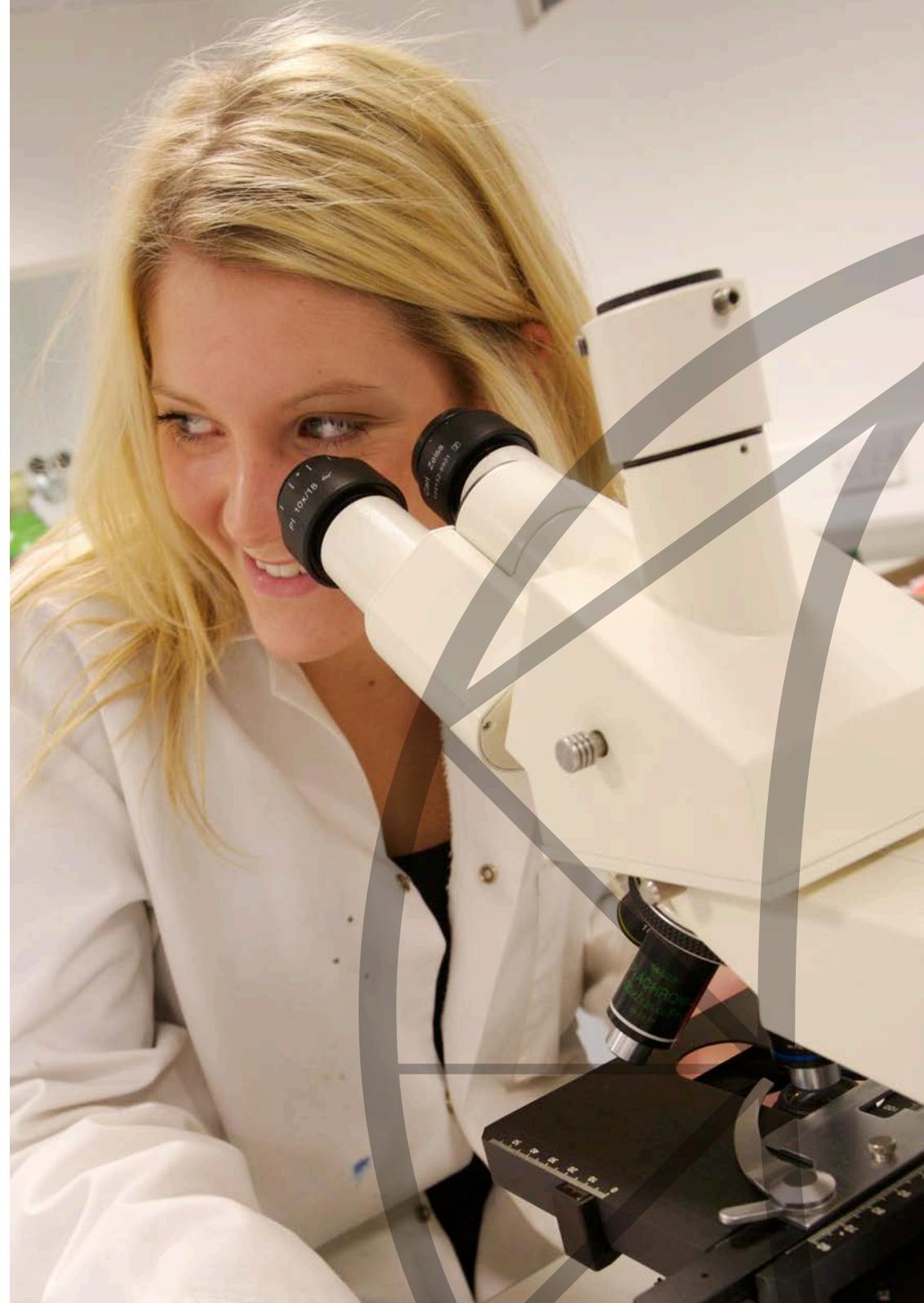
Our four-year geography with international studies degrees give you the experience of studying abroad which demonstrates a high degree of flexibility and the capacity to adapt successfully to new environments and challenges.

The geography and geology degree will help you to not only pursue your interests in the earth sciences, but also to develop a wide range of skills – in particular: communication skills; data gathering and analysis; and use of the scientific method and more subject-specific skills, such as microscopy, sediment logging and analysis techniques.

Left top: Samples in our physical geography laboratories

Left bottom: Student research in the physical geography labs

Other page: Our physical geography laboratories





# CONNECT

## FIND OUT MORE ONLINE

Want to know more about Geography at Manchester? Visit our YouTube channel for videos of our fieldwork, student opinions and much more: [www.youtube.com/sedmanchester](http://www.youtube.com/sedmanchester)

For the most up-to-date course information, visit our web site: [www.seed.manchester.ac.uk](http://www.seed.manchester.ac.uk)

Disclaimer: This brochure is prepared well in advance of the academic year to which it relates. Consequently, details of courses may vary with staff changes. The University therefore reserves the right to make such alterations to courses as are found to be necessary. If the University makes an offer of a place, it is essential that you are aware of the current terms on which the offer is based. If you are in any doubt, please feel free to ask for confirmation of the precise position for the year in question, before you accept the offer.

## ACCOMMODATION

Discover your new home: [www.manchester.ac.uk/accommodation](http://www.manchester.ac.uk/accommodation)

## ADMISSIONS AND APPLICATIONS

Everything you need to apply: [www.manchester.ac.uk/study/undergraduate/applications/how-to-apply](http://www.manchester.ac.uk/study/undergraduate/applications/how-to-apply)

## ALAN GILBERT LEARNING COMMONS

Take a look around our 24/7, independent learning space: [www.manchester.ac.uk/library](http://www.manchester.ac.uk/library)

## CAREERS

Take control of your career: [www.manchester.ac.uk/careers](http://www.manchester.ac.uk/careers)

## CHILDCARE

Balancing your studies with your caring responsibilities: [www.manchester.ac.uk/childcare](http://www.manchester.ac.uk/childcare)

## DISABILITY SUPPORT

Talk to us about any support you need: [www.manchester.ac.uk/dso](http://www.manchester.ac.uk/dso)

## FUNDING AND FINANCE

Get to grips with fees, loans, scholarships and more: [www.manchester.ac.uk/studentfinance](http://www.manchester.ac.uk/studentfinance)

## INTERNATIONAL STUDENTS

Let us help you prepare for your time here: [www.manchester.ac.uk/international](http://www.manchester.ac.uk/international)

## IT SERVICES

Online learning, computer access, IT support and more: [www.manchester.ac.uk/itservices](http://www.manchester.ac.uk/itservices)

## LIBRARY

We have one of the UK's largest and best-resourced university libraries: [www.manchester.ac.uk/library](http://www.manchester.ac.uk/library)

## MAPS

Find your way around our campus, city and accommodation: [www.manchester.ac.uk/discover/maps](http://www.manchester.ac.uk/discover/maps)

## PROSPECTUS

Download or order a copy of our prospectus: [www.manchester.ac.uk/study/undergraduate/prospectus](http://www.manchester.ac.uk/study/undergraduate/prospectus)

## SPORT

Get active with our clubs, leagues, classes and facilities: [www.manchester.ac.uk/sport](http://www.manchester.ac.uk/sport)

## SUPPORT

Let us help with any academic, personal, financial and administrative issues: [my.manchester.ac.uk/guest](http://my.manchester.ac.uk/guest)

## STUDENTS' UNION

Immerse yourself in societies, events, campaigns and more: [manchesterstudentsunion.com](http://manchesterstudentsunion.com)

## VIDEOS

Learn more about us on our YouTube channel: [www.youtube.com/user/universitymanchester](http://www.youtube.com/user/universitymanchester)

## WANT TO TALK THROUGH YOUR DECISION?

Call or email us for help and advice.

**Dr William Fletcher**  
Geography Lecturer  
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[will.fletcher@manchester.ac.uk](mailto:will.fletcher@manchester.ac.uk)

**Dr Abigail Stone**  
Geography Lecturer  
0161 275 3544  
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