

**MANCHESTER**  
1824

The University of Manchester



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**SCHOOL OF ENVIRONMENT, EDUCATION AND DEVELOPMENT**

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**GEOGRAPHY**

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**POSTGRADUATE BROCHURE**

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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**



**TOM BARKER**  
GIS Graduate

*"Without my masters, I would never have had the opportunity to work in the geospatial area and pursue a career that I am."*

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**A WORLD CLASS REPUTATION FOR PIONEERING TEACHING INFORMED BY THE LATEST GEOGRAPHICAL RESEARCH.**

BRAND NEW STATE-OF-THE-ART PHYSICAL GEOGRAPHY LABORATORIES, WORLDWIDE FIELDWORK OPPORTUNITIES, CONTEMPORARY, INTERDISCIPLINARY RESOURCES ACROSS ALL SUBJECTS AND THE UK'S BEST UNIVERSITY LIBRARY WITH OVER 4 MILLION BOOKS MAKE MANCHESTER AN IDEAL BASE TO STUDY.

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“

Our problem-based approach to learning will inspire you to think critically and creatively, cultivating your independence and making you more attractive to recruiters.

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**DID  
YOU  
KNOW?**

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## GEOGRAPHY AT THE UNIVERSITY OF MANCHESTER

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Is ranked...

4<sup>th</sup> IN THE UK & 8<sup>th</sup> GLOBALLY

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£650 million

investment in university facilities for research and study.

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65% of our research output was ranked as **world leading** or **internationally excellent**\*.  
(in most recent Research Assessment Exercise - RAE 2008).

Our city's marriage of the historic with the modern – Manchester was voted the best city in the UK to live in, in the 2013 Global Liveability Survey

# INTRODUCING MANCHESTER

## WELCOME TO MANCHESTER

Manchester's unique character comes from its pioneering past – this is the place where the Industrial Revolution really took hold. The city grew dramatically in the 19th century on the wealth created by cotton, and its amazing Victorian civic buildings, mills and factories shout: 'This is Manchester. We've arrived.'

## ART AND CULTURE

From artistic masterpieces to the history of football, Manchester has an impressive range of museums and galleries, many of which are free. The Museum of Science and Industry brings innovation to life in the world's oldest railway station, while the Imperial War Museum North asks how war shapes people's lives. Manchester is also home to the National Football Museum and the People's History Museum.

Important classic and contemporary art is on show at the Manchester Art Gallery, while you can find a plethora of smaller galleries all over the city.

Manchester attracts some of the world's biggest bands and DJs, at venues such as the MEN Arena and the Apollo. You can catch new acts and smaller shows at venues such as Soup Kitchen, Deaf Institute, Gorilla, and Band on the Wall.

## FIND OUT MORE

[www.visitmanchester.com](http://www.visitmanchester.com)  
[www.timeout.com/manchester](http://www.timeout.com/manchester)  
[www.creativetourist.com](http://www.creativetourist.com)  
[www.manchesterconfidential.co.uk](http://www.manchesterconfidential.co.uk)  
[www.manchestersfinest.com](http://www.manchestersfinest.com)

But it is not all about industry. Manchester nurtures creativity and hosts international sporting events. Never content to live on past glories, this is a place that looks to the future with a passion for progress.

With events, facilities and attractions to suit every lifestyle, Manchester is lively, culturally diverse and easy to enjoy on a student budget. In fact, about a quarter of our students love it here so much they make it their home after they've finished their studies.

The Hallé and BBC Philharmonic orchestras both perform at the Bridgewater Hall. Leading chamber orchestra Manchester Camerata can also be seen there, as well as at the Royal Northern College of Music, which stages a diverse programme of music.

You'll find everything from opera to comedy to experimental theatre at the Palace Theatre, Royal Exchange, Contact Theatre and The Lowry.

Our own venues play an equally important role in the city's cultural life. Discover ancient worlds at Manchester Museum, peruse our impressive collections at the John Rylands Library, enjoy exhibitions at the Whitworth Art Gallery or listen to touring bands at our Academy venues.



## FOOD AND DRINK

With so many cultures rubbing shoulders with each other, it's no surprise that Manchester has a great reputation for food and drink. You'll find cuisine from practically every nation and to suit any budget, from high-class dining to top-notch takeaways.

Restaurants, bars and clubs can be found in most parts of the city centre, from the bustling Deansgate Locks and The Printworks to the upmarket Spinningfields and the bohemian Northern Quarter.

We have the UK's second biggest Chinatown, where you'll find Asian supermarkets and great restaurants, and the neon-lit 'Curry Mile' begins just a short walk from the University campus.

There's also plenty of choice near campus on Oxford Road and surrounding the student halls of Fallowfield. A little further afield, the neighbourhoods of West Didsbury and Chorlton offer an equally impressive range of places to eat and socialise.

## BUSINESS

A bustling commercial centre, Manchester works as hard as it plays. Creativity complements industry, and burgeoning entrepreneurs thrive alongside established multinational businesses.

More than 200 businesses are based at nearby MediaCityUK, which has become an important base for many BBC departments. The city is home to the largest chamber

of commerce in the UK, while there's a thriving digital sector, as well as well-regarded services and knowledge-based industries, and much more.

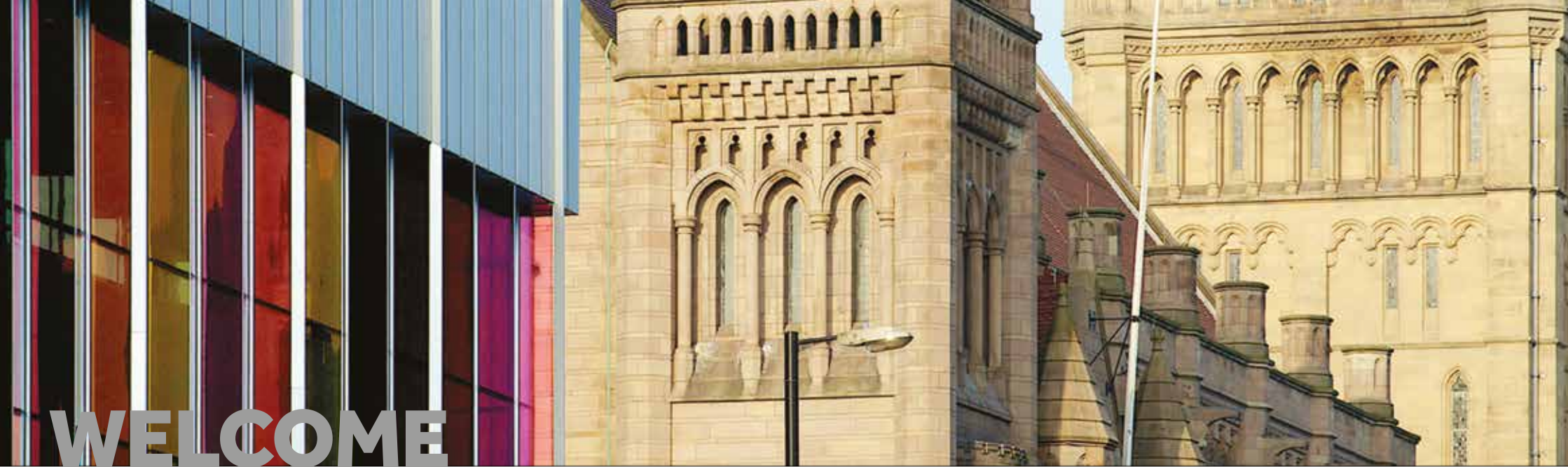
Manchester is the perfect spot for you to connect with potential future employers from all sectors, gaining an insight into possible careers. You may also have the chance to work with commercial giants on collaborative research opportunities.

## SHOPPING

Manchester is a shopper's paradise. It's home to the Trafford Centre, the second largest shopping centre in the UK, bringing countless shopping and leisure names under one roof.

In the city centre, Market Street is a modern British high street and a good starting point for any shopping trip. Premium department stores such as Harvey Nichols and Selfridges, and top designer stores sit alongside shops more suited to a student budget, like Primark and TK Maxx.

The Northern Quarter is the place to go to find independent and specialist traders, selling everything from vintage clothing and second-hand music to artwork and craft supplies.



# WELCOME

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## TO THE UNIVERSITY OF MANCHESTER

**At Manchester you'll reap the benefits of being better connected.**

We work closely with organisations ranging from government bodies to global businesses, from local health services to registered charities.

These connections inform our taught courses and give our research programmes greater, more immediate impact.

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### WE MAKE THINGS HAPPEN

We turn enthusiasm into achievement and groundbreaking theory into cutting-edge practice. That's why we're at the forefront of the search for solutions to some of the world's most pressing problems – from cancer to climate change, from poverty to sustainable energy.

We've been accomplishing feats of global significance for more than 180 years, from inventing the modern computer to splitting the atom, and from founding present-day economics to giving the world graphene – the two-dimensional 'wonder-material' that is one atom thick, but 200 times stronger than steel.

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### WE KNOW WHERE WE'RE GOING

Already ranked third in the UK for research power, we're on the way to achieving our target of becoming one of the world's top 25 universities, having risen 38 places in the last eight years.

Our plans are backed by the biggest investment programme ever seen in UK higher education – we've already invested £750 million in buildings and facilities since 2004 and now we're putting an additional £1 billion into further teaching and student facilities.

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### WE'VE GOT THE PEOPLE TO DO IT

We have more Nobel laureates on our staff than any other UK university, and count 25 Prize winners among our current and former staff and students.

Could you be number 26?

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### WE GIVE YOU EXCELLENT PROSPECTS

Whether you're a committed researcher wanting to further the human quest for knowledge, a career-focused professional seeking a specialist qualification, or an enquiring mind with a burning enthusiasm for higher learning and understanding, a postgraduate degree at The University of Manchester will help you to realise your ambitions.

Our problem-based approach to learning will inspire you to think critically and creatively, cultivating your independence and making you more attractive to recruiters. Our graduates are consistently among the most targeted in the UK by leading employers.

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### WE OFFER MUCH MORE THAN A DEGREE

At Manchester you'll find the broadest range of opportunities outside of your studies for developing your interests and broadening your experience.

These include outstanding sports facilities, community volunteering, skills-development programmes, mentoring and much more.

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### WE'D LOVE YOU TO JOIN US

Choose The University of Manchester and discover your own path to future success.

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

**Join our postgraduate community and begin a career of limitless possibilities.**

Part of the prestigious Russell Group of universities, we enjoy an international reputation for our pioneering research and innovation.

We're influential and forward-thinking, down-to-earth and friendly, and we'll give you an amazing university experience that's rooted in a rich heritage.



# WELCOME TO OUR CAMPUS

The University of Manchester is large, yet compact enough to give the best of both worlds: city life and a campus community. Getting around the campus is easy. Everything is within walking distance or connected via a free bus service.

Our campus occupies a large area close to the city centre, allowing students, staff, businesses and the wider public to come together, share ideas and collaborate. It is dominated by grand Victorian buildings, alongside modern facilities, but also has quiet corners, landscaped gardens, cafés and common rooms where you can relax and spend time with friends.

Think of it as a village within a city.

## MADE FOR STUDENTS, BY STUDENTS

Our ultra-modern Alan Gilbert Learning Commons was designed in consultation with our students. This eye-catching £24 million building is home to the most up-to-date IT facilities, lots of flexible learning spaces and a host of student-centred services.

The Learning Commons is open all day and night, and can accommodate more than 1,000 students. There are 30 bookable rooms and a variety of pods and spaces, making it great for group study or independent learning.

The building is designed to the highest standards of sustainability – even the lighting adjusts automatically according to the level of natural light and the occupancy of the rooms.

## CULTURE ON CAMPUS

We aim to inspire as well as educate, with cultural attractions open to students and the public alike.

- Manchester Museum: bringing ancient worlds to life and hosting a constantly rotating programme of exhibitions
- John Rylands Library: home to one of the world's finest collections of rare books and manuscripts
- Whitworth Art Gallery: one of the city's premier art spaces located in the nearby Whitworth Park\*
- The Martin Harris Centre for Music and Drama: a performance space for music, drama and other arts
- Jodrell Bank Discovery Centre: on the site of the iconic Lovell Telescope in the beautiful Cheshire countryside, the centre offers fun and engaging exhibitions and activities on astronomy and space physics.

## LIBRARIES AND LEARNING FACILITIES

### LIBRARIES

The University of Manchester Library is one of the best-resourced academic libraries in the UK. Widely recognised as one of the world's great research libraries, the Library provides over 4 million printed books, more than 500,000 ebooks and access to 41,000 electronic journals and hundreds of online databases.

The needs of taught and research students are served by a dedicated team who provide specialist advice on such diverse topics as bibliometrics, impact analysis, research data management, open access publishing and literature reviews. The Library also offers a high-quality skills programme specifically aimed at researchers and their needs.

For those times you are unable to visit, the vast majority of our electronic resources can be used remotely online.

Across campus several specialist libraries offer subject-specific and tailored services. You can make use of the John Rylands Library, a magnificent neo-Gothic building housing one of the world's finest collections of rare books and manuscripts, which is also a thriving visitor attraction, with exhibitions and events taking place throughout the year.

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

### IT SERVICES

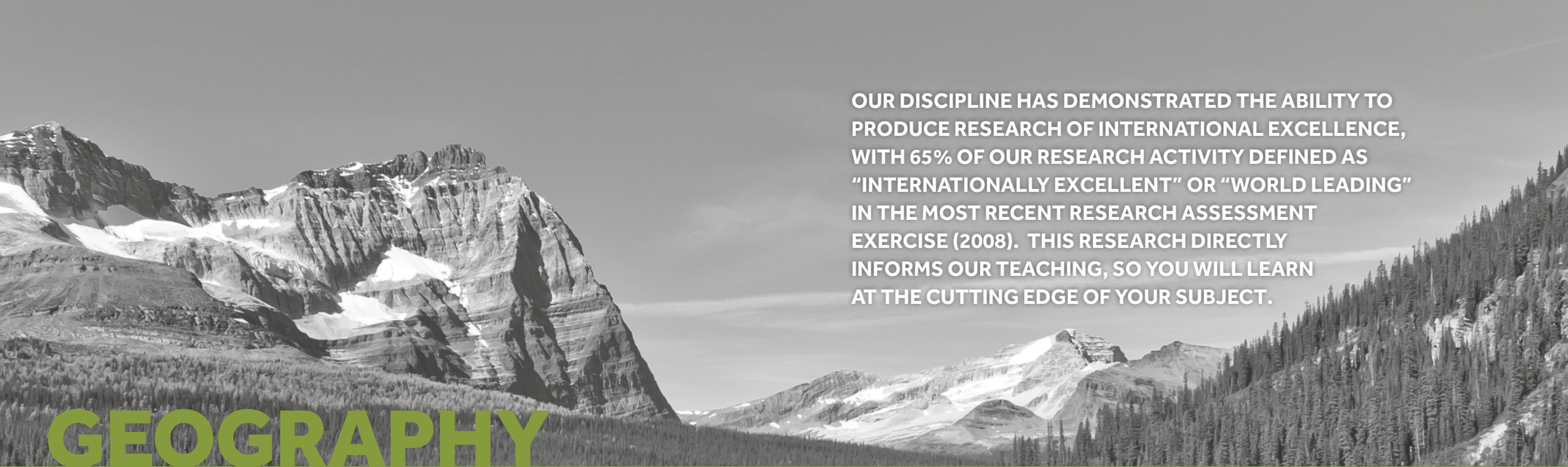
The University's teaching and research activities are supported by extensive IT services. The fact that we've got the largest server farm in the north-west of England should give you an idea of the breadth and scale of our technologies. Our facilities and services include:

- more than 3,200 student PCs accessing a huge range of software, academic data and resources from across the world
- extensive Wi-Fi coverage across campus, including access to the international eduroam network
- fully networked University halls of residence, providing high-speed Internet access from your room
- 24/7 access to computers at the Alan Gilbert Learning Commons and in the Owens Park halls of residence
- a University email account and a personal file storage area;
- specialist research support services for academics and researchers, offering access to national datasets, visualisation and high-performance computing
- dedicated IT Service Desk support, including a 24/7 telephone helpline
- downloadable iManchester smartphone app for mobile devices.

\*The Whitworth will be closed for a £12 million refurbishment until February 2015.

Left above: Students discussing group work in the Manchester sunshine  
Right top downwards:  
The John Rylands Library  
Student studying in one of the world's great research libraries  
University Place and the Whitworth Building at the University  
Recently opened Arthur Lewis Building with state-of-the-art laboratories





**OUR DISCIPLINE HAS DEMONSTRATED THE ABILITY TO PRODUCE RESEARCH OF INTERNATIONAL EXCELLENCE, WITH 65% OF OUR RESEARCH ACTIVITY DEFINED AS “INTERNATIONALLY EXCELLENT” OR “WORLD LEADING” IN THE MOST RECENT RESEARCH ASSESSMENT EXERCISE (2008). THIS RESEARCH DIRECTLY INFORMS OUR TEACHING, SO YOU WILL LEARN AT THE CUTTING EDGE OF YOUR SUBJECT.**

# GEOGRAPHY

## AT THE UNIVERSITY OF MANCHESTER

**Taught at Manchester for over a century, Geography today encompasses a wide range of teaching and research interests, and embraces a lively community of staff and undergraduate and postgraduate students.**

### A FRUITFUL REGION

We are fortunate in being situated within a particularly interesting region of the UK. The focal point of the Industrial Revolution, Manchester is surrounded by a landscape that mixes industrial heritage with a huge diversity of scenery. Its history is associated with technical innovation, such as the first railways and the first computer, and with political innovation, through figures such as Emmeline Pankhurst and Friedrich Engels. The modern city has added to this international

reputation in the spheres of culture and sports. Such a richness of landscape, heritage and cultural vibrancy cannot help but inspire the geographical imagination of those who come to study here.

### MULTIDISCIPLINARY TEACHING AND RESEARCH

Our postgraduate programmes (including taught master's and research PhDs) are integrated into our overall research ethos, which focuses on producing both theoretically and policy-relevant contributions to knowledge in both human and physical geography.

We build our taught master's degrees around broad themes, within which a number of geography staff are active researchers, which often combine with policy applications. On the human geography side, we have a strong reputation in the areas of economic geography, urban geography and social geography, while on the physical geography side we have a long tradition of research in environmental change, geomorphology and human-environment interactions.

At the same time, the variety in the content and methodological approaches across all our staff research interests affords a wide range of opportunities for you to undertake the more specialised research degree of PhD. The educational approach of the Geography postgraduate programme emphasises student-centred learning, in which our role is to guide, rather than to instruct.

In the taught components, we will lead you through the wide range of geographical theories and methods by providing a structure around which to read, together with seminar discussions on key areas of debate. We provide this structure through a set of compulsory methods and theory course units, comprising some formal presentation of material by staff, and class debates on pre-determined themes. You undertake tasks both in groups and individually and have to learn to use a range of different media to present your work.

### OUTSTANDING FACILITIES

The University and Geography itself have excellent resources for postgraduates. Our main library, known as The University of Manchester Library, is acknowledged as one of the finest in the country, offering you a wide range of relevant publications and a unique map collection.

Laboratories for physical geographers are all housed within our Arthur Lewis Building, and include facilities for water chemical and sediment analyses, as well as advanced magnetic and optical microscopy facilities. We also have access to laboratory facilities in other related schools, such as the School of Earth, Atmospheric and Environmental Sciences.

We are housed in a spacious and well-equipped modern building complex, with a dedicated suite of computers for postgraduates that are networked into the University system and allow access to a wide range of applications,

including specialist software for the Geographical Information Sciences, such as image processing, GIS, GPS and cartographic representation.

### SUPPORTIVE ENVIRONMENT

We pride ourselves on having a particularly friendly atmosphere in Geography. A weekly series of academic seminars and a weekly informal reading group not only form vital components of academic training, but also generate an ease of atmosphere in which you can feel comfortable.

We hold small parties at the beginning and end of semesters to welcome new postgraduates. Further social, sporting and academic events are organised by the student society, MUGS (Manchester University Geographical Society), whose activities include an annual charity ball, theatre trips, bowling, field trips and sport events such as mixed soccer, netball and hockey.

As a division of the School of Environment, Education and Development (SEED), joining colleagues in Planning and Environmental Management, MARC (the Manchester Architectural Research Centre) and IDPM (Institute for Development Policy and Management), Geography can call upon an expanded and strengthened administrative team to support research, teaching programmes, and international partnerships. We also have strong links with other disciplines in the Faculty of Humanities, including Archaeology.

# TAUGHT MASTER'S COURSES

## PREPARE TO MAKE A DIFFERENCE

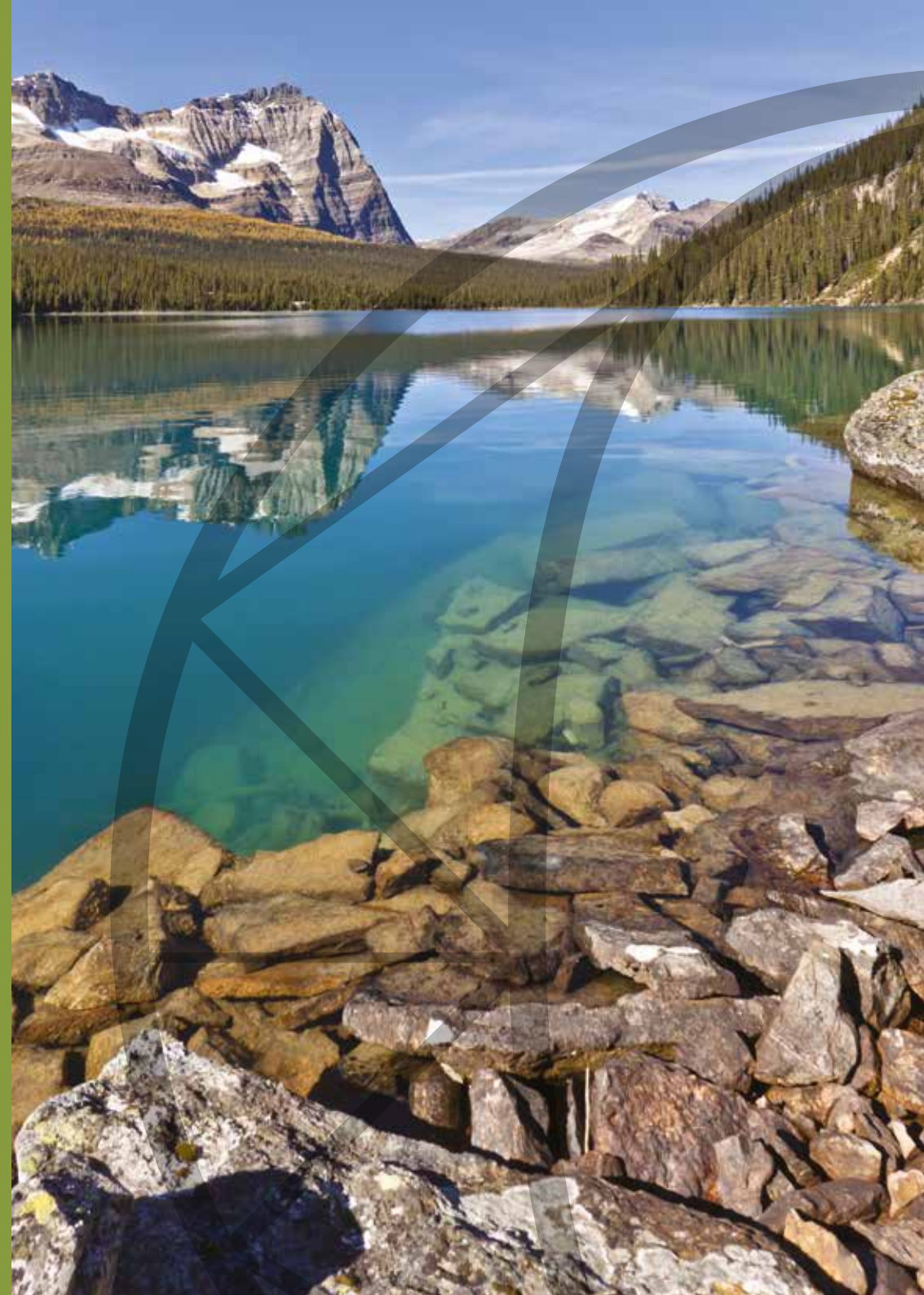
**Environmental  
Monitoring,  
Modelling and  
Reconstruction  
MSc**

**Environmental  
Governance MSc**

**Geographical  
Information  
Science MSc**

FT: 12 months  
PT: 27 months\*

\*Part-time study is not organised on a day-release basis; however, we try as far as possible to ensure that most or all taught classes are timetabled to require attendance on one day per week. Be aware that there can be occasional instances where classes are scheduled at different times. You should also be aware that private study is likely to involve work at various times of the week, sometimes in a group context. It is therefore important that you recognise the need for some flexibility with regard to the timetabling and management of your study.



Duration:  
Full-time: 12 months, Part-time: 27 months

## This master's course focuses on the analysis of dynamic environments: past, present and future.

Concerns over human impacts on the environment have stimulated demand from governments and industry for the monitoring, analysis and modelling of natural processes in environmental systems. This is essential if we are to improve understanding of the interrelation of environmental variables in order to predict and manage their responses to anthropogenic perturbations.

### You will acquire:

- Advanced theoretical knowledge and practical expertise in order to collect, interpret, and analyse contemporary and past environmental data
- Modelling skills, in order to investigate the interrelationships between environmental variables, and to predict their responses to changing internal and external conditions
- Intellectual and practical skills, in order to design and undertake field and/or laboratory experiments in contemporary environmental process-monitoring, or palaeoenvironmental reconstruction, and to design and test appropriate environmental models with the data you collect.



These skills are highly relevant if you wish to pursue a career in environmental management, or consultancy, and also provide a firm grounding for research in the environmental sciences.

Dr Jason Dortch directs the course, with input from other physical geographers working on a wide variety of aspects of environmental change. Current research includes:

- Measurements and predictions of climate change
- Glaciers and ice sheets (past and present)
- Biogeography
- Palaeoecology
- Environmental pollution
- Upland geomorphology (low relief, e.g. British uplands, and high relief, e.g. Himalayas)
- Remote sensing for environmental management
- Moorland erosion control
- Hydrology
- Water resource management
- Fire management
- Tectonic geomorphology.

We also make use of the proximity of Manchester to the upland areas of the Peak District; several past MSc students completed dissertation work in close collaboration with various organisations responsible for land management in the Peak District, giving their work direct policy relevance.

### COURSE CONTENT

Teaching focuses on training in theory, concepts and research skills in the first semester, and practical applications and research experience in the second semester.

We teach course units in small-group interactive styles with a mix of lectures, tutorials, seminars, practicals and presentations. A range of physical geographers provides training in their specialised fields, covering both content and practical research methods.

In a typical week, expect to spend time in the library, preparing for seminars; in the laboratory, completing practicals; in the dedicated postgraduate computer laboratory, or writing reports; and in the classroom.

The second semester in particular gives you increased opportunities to go out into the field, both for practicals and to gain research experience by doing field research with members of staff. We maintain an intensively monitored catchment on the moors near Snake Pass in the Peak District and this is the focus of several practical exercises, as well as a source for data to support dissertation work.

Field and laboratory research are essential to your learning process in environmental monitoring, and these form integrated parts of both the taught units and dissertation work.

### CORE COURSE UNITS

These typically cover:

- Environmental Change and Reconstruction
- Environmental Monitoring and Modelling Concepts
- Environmental Monitoring and Modelling Practice
- Dissertation Support.

### OPTIONAL COURSE UNITS

Choose three from the following:

- Applied Study Unit
- Climate Change, Disasters and Urban Poverty
- Digital Image Processing and Data Analysis
- Environmental Impact Assessment
- Environmental Remote Sensing
- GIS and Environmental Applications
- Issues in Environmental Policy
- Planning for Environmental Change.

Availability of course units may vary from year to year.

### LEVEL 4 OPTIONS

Students are allowed to take up to 2 of the following level 4 options:

- GEOG 63011 Hydrochemical Modelling
- GEOG 60131 Ice Age Earth
- GEOG 70221 Managing the Uplands
- GEOG 60182 Climate Change and Carbon Cycling
- GEOG 61952 Coastal Processes
- GEOG 61262 Frozen Planet, Satellites & Climate Change.

Typical course units comprise a minimum of a one-hour lecture per week, or seminar supported by supervised laboratory time. The exact balance varies, depending on the requirements of particular units. Additional contact time is arranged on an ad hoc basis by students to discuss assignments and other matters.

By the end of the course, you will have an advanced level of theoretical knowledge and practical experience in:

- Field/laboratory monitoring techniques for analysis of environmental processes
- Advanced techniques for analysis of environmental materials field and laboratory techniques for palaeoenvironmental reconstruction based on stratigraphical studies of sediment cores, including microfossil and pollen analysis
- GIS and remote sensing and advanced statistical methods
- Designing, planning, funding and executing research projects in environmental monitoring, modelling or palaeoenvironmental reconstruction
- Processing/analysing results logically, using objective statistical methods and/or mathematical modelling techniques objective, unbiased, and impartial reporting of analytical results and their interpretation, both oral and written, particularly scientific report writing.

Normally taken full-time, the course is also well suited to part-time study over two years.

## MSc IN ENVIRONMENTAL MONITORING, MODELLING AND RECONSTRUCTION



### ASSESSMENT

Taught units comprise two-thirds of the degree and are assessed by a wide range of project work, essays and presentations. There are no formal examinations. The remainder of your course consists of the dissertation.

### CAREER OPPORTUNITIES

In the second semester, various speakers from environmental employers visit the department to give a flavour of their work and advice on employment.

To date, the MSc in Environmental Monitoring, Modelling and Reconstruction has an excellent track record in providing a springboard for students to go on to careers in environmental industries, consultancies and government agencies, or to further research for higher degrees.

Recent graduates have found employment in agencies such as the UK Atomic Energy Authority, The Environment Agency, Natural England, and a range of environmental consultancies. Others have moved on to undertake full-time research for a PhD.

### ENTRY REQUIREMENTS

You should hold an Upper Second class Honours degree, or its equivalent, in Earth Sciences, Environmental Sciences, or Geography. Graduates in Chemistry, Biological Sciences, Mathematics, Engineering, or a cognate discipline are also welcome. We particularly welcome applications from geographers already working in research or policy related fields.

Students whose first language or language of instruction is not English may be asked to provide evidence of fluency in English by achieving scores in English language tests as follows:

- IELTS 6.5 overall, 6.5 in writing, no sub-section below 6.0
- TOEFL iBT overall score of 90 with a minimum score of 22 in writing and 20 in the other subsections
- Pearson PTE overall score of 59 with a minimum score of 59 in the written section and 51 in all other subsections or
- Cambridge CAE or Cambridge CPE grade C (Please note that the Cambridge First Certificate in English is not acceptable).



Image of research conducted in our School into climate change in the developing world



**Duration:**  
Full-time: 12 months, Part-time: 27 months

**The MSc in Environmental Governance is taught by world leading experts on environmental governance and political ecology. Teaching staff include: Stefan Bouzarovski, Noel Castree, James Evans, Maria Kaika, Saska Petrova and Erik Swyngedouw.**

#### **COURSE AIMS AND OBJECTIVES**

Climate change, over-fishing, energy crises, famines, water shortages, organic food, the loss of rare animal species, fair trade coffee, deforestation, geopolitical struggles over oil and gas supplies, and desertification: these are among the signature issues of our time. They raise important questions about how we currently – and should in future – organise the relationships between societies and the natural resources and environments upon which they depend.

This course addresses these questions, providing training in the principles and practices of environmental governance. It is targeted at three audiences: those wishing to pursue a career in environmental regulation and management; those wishing to conduct further research on these topics; and environmental professionals wishing to deepen their knowledge.

#### **OUR MSc IS DISTINCTIVE IN FIVE WAYS:**

- 1 We consider the whole spectrum of approaches to regulating human use of the non-human world, from market-based to non-market approaches
- 2 We cover environmental resource questions using case studies from the 'first', 'second' and 'third' worlds
- 3 We make the connections between the different social spheres where environmental governance occurs, such as production, distribution and consumption

- 4 The course is highly interdisciplinary, exposing you to ideas and practices developed in a range of subject areas, rather than one alone
- 5 Our range of 'real world' practitioners gives you the opportunity to liaise with external organisations on live policy problems and enhance your employability.

We teach our degree in such a way that you develop a wide range of generic, practical and subject-specific skills.

The degree draws upon the expertise of the internationally renowned Society-Environment Research Group (SERG). This group involves more than ten researchers from SEED and our School of Social Sciences, with distinguished records of theoretical, empirical and applied research in a range of geographical and environmental settings. These include work on mining in the South Pacific and French Guyana, on land rights in southern Africa, on bio-prospecting in central America, on conservation projects in central Africa, on GMOs in Britain, and on water management in Ecuador and Spain – to name but a few.

#### **COURSE CONTENT**

Governance is a broad concept that refers to the principles and techniques – as well as the actors and institutions – involved in managing a sphere of human activity (eg the economy). Our syllabus covers theories and practices of environmental governance and offers you a comprehensive introduction to how human use of the non-human world is organised, and what the effects of this are. We combine training in theory and concepts with practical and applied elements.

The MSc in Environmental Governance is a highly flexible course, with three compulsory taught units and five optional taught units. The flexibility allows you to pursue particular research interests throughout the course and tailor the degree to your needs.

#### **CORE COURSE UNITS**

These typically include:

- Key Debates in Environmental Governance – Introduces the main (and often competing) approaches to environmental governance in play today, ranging from 'free market environmentalism', environmental modernisation and ecological economics, to the 'risk society' perspective and green governmentality

- Issues in Environmental Policy – Links theory and practice by focusing on different types of environmental policy measures (their logic, operation and outcomes), and is taught by way of real world case studies drawn from the research literature and the work of policy practitioners locally, nationally and globally

- Doing Environmental Research – Provides advanced research skills and encourages you to plan and design your dissertation/research review projects.

The course introduces you to a range of both research and career options appropriate to the skills acquired on the course, including: planning and budgeting research projects; writing research proposals; preparing a detailed proposal for dissertation/research review.

#### **OPTIONAL COURSE UNITS**

You may choose 4 amongst a very broad range of course units offered across the Faculty of Humanities to study as your options for the MSc in Environmental Governance. Examples of the most popular course units are:

- Doing Geographical Research 1 and 2 – Introduces the basics of research design and leads into your summer dissertation
- Environment and Democracy – Explores issues and mechanisms in ensuring democratic decision making about the use of the environment
- Valuing the Environment – Takes a wide-ranging look at the ways the non-human world is and can be valued, covering economic and non-economic modes of valuation, plus cognitive, aesthetic and ethical issues
- An Introduction to Environmental Economics – Explains and critically assesses the principles and practices of market-led approaches to environmental governance
- Environment and Development – Examines the role that particular resources and environments can play in the contested process of 'development' in poorer countries worldwide
- Concepts in Environmental Law – Introduces you to the main legal frameworks employed in environmental governance
- International Environmental Politics – Examines the challenges, factors and agreements involved in transnational environmental governance.

Availability of course units may vary from year to year.

## MSc IN ENVIRONMENTAL GOVERNANCE

### PRACTITIONER DIALOGUE

**We combine academic rigour with practical relevance, and provide a range of opportunities for you to develop ideas and enhance your employability through dialogue with professionals working at the cutting edge of policy and practice.**

This can include professional seminars, workshops tackling 'live' policy problems, and the possibility for developing dissertation research in collaboration with local and regional organisations.

Highlights from previous years include: work placements with Natural England's Low Carbon Economy initiative; a policy workshop with academics and professionals on the value of the environment in the North West; a debate on environmental justice in the UK with the head of the Environment Agency's Social Policy unit; and a walking tour of environmental regeneration in the Hulme area of Manchester.

### ASSESSMENT

Taught units (eight) comprise two-thirds of the course. The remainder consists of a 12,000 word dissertation on an approved topic. Typical course units comprise two hours a week of seminar or small-group work. Together, these units involve a range of formative and summative assessments, including individual and group work, oral presentations and long essays, project work and reports. Coursework is designed to allow you to pursue your particular areas of interest.

In the summer semester, you work independently to undertake dissertation work based on primary and/or secondary data, or else a more philosophical/theoretical dissertation. We encourage you to develop research in collaboration with members of the Society and Environment Research Group and external organisations.

### CAREER OPPORTUNITIES

Our degree responds to a growing need for social, economic and political experts in the environmental field, and our graduates are highly employable in what is an expanding sector. Graduates of this course possess theoretical knowledge, political understanding and practical research skills, preparing you for careers in either the public, private or voluntary environmental sectors, or for further research on environmental governance within a university or think-tank environment.

You will be equipped to work for organisations like the Environment Agency, the United Nations Environment Programme, the Soil Association, and the Department of Environment Food and Agriculture, among many others. Our students have been particularly successful in obtaining funded PhD places and gaining employment with private consultancies and international NGOs.

### ENTRY REQUIREMENTS

You are expected to have a First or Upper Second class Honours degree (or its international equivalent) from a recognised research university.

We welcome applicants from a range of degree backgrounds, especially Geography, Politics, Anthropology, Sociology and Philosophy. You are expected to work very hard while studying for the MSc, and may need to undertake additional study on your own if you do not understand basic knowledge presupposed in some of the taught units.

Students whose first language or language of instruction is not English may be asked to provide evidence of fluency in English by achieving scores in English language tests as follows:

- IELTS 6.5 overall, 6.5 in writing, no sub-section below 6.0
- TOEFL iBT overall score of 90 with a minimum score of 22 in writing and 20 in the other subsections
- Pearson PTE overall score of 59 with a minimum score of 59 in the written section and 51 in all other subsections or
- Cambridge CAE or Cambridge CPE grade C (Please note that the Cambridge First Certificate in English is not acceptable).



Duration:  
Full-time: 12 months, Part-time: 27 months

**This master's degree focuses on the multidisciplinary science concerned with the development and application of geographical information (GI) technologies.**

GI technologies are increasingly applied in everyday life, with, for example, the introduction of the Global Positioning System (GPS) and Google Earth.

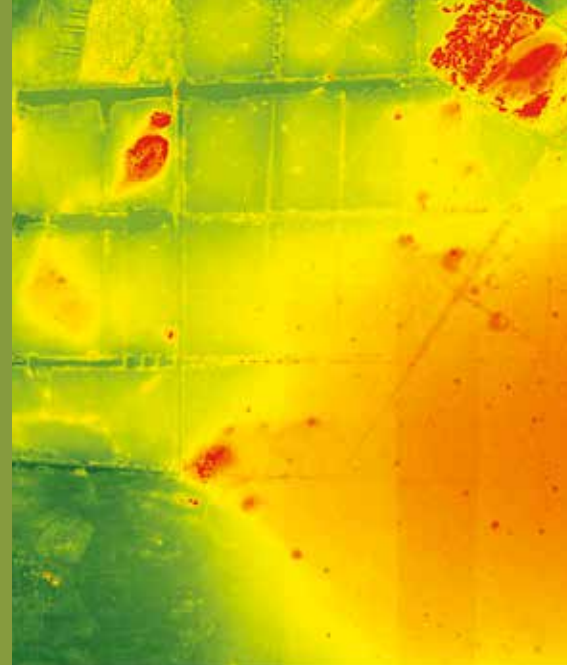
Core GI technologies, including geographical information systems (GIS) and remote sensing (RS), have had a long history of application in industries such as planning, agriculture, forestry, utilities, transportation, and various government and private sector environmental agencies.

The application areas for GI technologies are very widespread, but our course in Manchester focuses particularly on environmental applications in areas covered by current staff research interests.

This course provides you with the theoretical foundation and practical skills that are relevant for pursuing a career in a GI Science related field.

You will develop an advanced knowledge of and practical experience in:

- GIS and remote sensing theory and practice
- Advanced techniques for GIS development and image processing
- Spatial analysis
- Computer modelling
- Computer mapping
- Scientific communication of analytical results and their interpretation.



### COURSE CONTENT

You must accumulate 180 course credits to achieve the required standard for recommendation to the degree of MSc. The dissertation, based on an original research project of your own design, accounts for 60 credits. Dissertation topics can focus on any aspect of GI Science. The remaining 120 credits are based on eight 15-credit course units, (four in each semester).

Both semesters include two core course units.

### COMPULSORY UNITS

- Environmental Remote Sensing
- GIS and Environmental Applications
- Digital Image Processing and Analysis
- Dissertation Support.

### OPTIONAL UNITS

- Analysis and Monitoring of Spatial Policy
- Applied Study Unit
- Environmental Monitoring and Modelling in Practice
- Environmental Monitoring and Modelling Concepts
- Fundamentals of Information and Information Systems
- Information Communication Technologies in Practice
- Introduction to Software Development in Java (online learning)
- Neighbourhood Planning
- The Frozen Planet: Satellites and Climate Change.

Please note that availability of options may vary from year to year.

### ASSESSMENT

Assessment is primarily coursework-based and includes a variety of project work, essays and presentations. This enables you to gain a significant amount of hands-on experience of applying GI Science skills to real world environmental applications.

You select your remaining four course units from a wide range of options offered by Geography, Planning and Environmental Management, and the Institute for Development Policy and Management (IDPM), all within the School of Environment, Education and Development. These optional course units enable you to tailor the course to your unique interests and can provide the foundation for dissertation research.

### CAREER OPPORTUNITIES

You will have the opportunity to learn from staff with advanced and practical understanding of GI Science. The taught component of the course, together with the experience of carrying out a postgraduate-level dissertation project, provides you with an excellent foundation for PhD research in numerous fields that involve geospatial data analysis, including physical and human geography, planning, development, and the environmental and earth sciences. There is a high demand worldwide for individuals with these skills.

We provide you with the background knowledge and experience needed for employment in many sectors, especially GIS consultancies, environment agencies, financial services, marketing, the oil and gas sector, agriculture and forestry, water authorities, health authorities, and retail.

### ENTRY REQUIREMENTS

You should have a First or Upper Second class Honours degree (or its international equivalent) from a recognised research university.

We welcome applicants from a range of degree backgrounds, especially Geography and Environmental Sciences. Graduates in biological sciences, mathematics, engineering, or a cognate discipline are also welcome. You are expected to work very hard while studying for the MSc, and may need to undertake additional study on your own if you do not understand basic knowledge presupposed in some of the taught units.

If your first language is not English, you should also meet one of the following language requirements:

Students whose first language or language of instruction is not English may be asked to provide evidence of fluency in English by achieving scores in English language tests as follows:

- IELTS 6.5 overall, 6.5 in writing, no sub-section below 6.0
- TOEFL iBT overall score of 90 with a minimum score of 22 in writing and 20 in the other subsections
- Pearson PTE overall score of 59 with a minimum score of 59 in the written section and 51 all other subsections or
- Cambridge CAE or Cambridge CPE grade C (Please note that the Cambridge First Certificate in English is not acceptable).



# APPLYING

## PREPARE TO MAKE A DIFFERENCE

**Environmental Monitoring, Modelling and Reconstruction MSc**

**Environmental Governance MSc**

**Geographical Information Science MSc**

### TAUGHT COURSE APPLICATIONS – HOW TO APPLY

**We advise you to apply early.**

Typically, prospective postgraduate students will apply between ten and twelve months before they intend to take up their place.

Therefore, although applications for September entry are open until the last week of August, do not leave applying to the last minute.

It is also important to consider how you will finance your graduate studies at the same time as you make your application.

#### APPLY ONLINE

[www.manchester.ac.uk/study/masters/admissions/apply](http://www.manchester.ac.uk/study/masters/admissions/apply)

Here, you will also find more information on alternative application methods, and will be able to download the relevant documents.

Your applications should include the following, in either digital or hard copy format:

- Completed application form
- At least one reference – preferably academic
- Copy of degree certificate for completed bachelor’s degree
- Copy of academic transcript for any academic qualification in progress
- Brief personal statement (maximum 500 words) outlining your reasons for pursuing the course and what benefits you hope to derive from it
- Curriculum Vitae.

Once your application has been received, our admissions team will contact you. We may ask you to submit additional information, if necessary.

Ensure that you enclose all the necessary documents, as the delay caused in having to seek any missing documents from you might adversely prejudice your application.

You should provide all documents in the original language. Documents in languages other than English must be accompanied by certified translations into English.

If you decide to accept your offer, when you arrive in Manchester you will be required to show to us the original documents which demonstrate your academic qualifications and your English language ability.

### FEES AND FUNDING

**UK/EU students (per annum):**  
£6,500 full-time.

**Overseas students (per annum):**  
£14,500 per annum full-time.

Part-time fees are equivalent to 50% of the full-time fee, per annum.

# RESEARCH PROGRAMMES

## PREPARE TO MAKE A DIFFERENCE

**PhD in Human Geography**

**PhD in Physical Geography**

FT: 36 months  
PT: 72 months

Geography at Manchester has risen to become one of the top tier institutions for its size, with our staff widely recognised for the quality of their contributions to the international research community.

\*Part-time study is not organised on a day-release basis; however, we try as far as possible to ensure that most or all taught classes are timetabled to require attendance on one day per week. Be aware that there can be occasional instances where classes are scheduled at different times. You should also be aware that private study is likely to involve work at various times of the week, sometimes in a group context. It is therefore important that you recognise the need for some flexibility with regard to the timetabling and management of your study.



# HUMAN GEOGRAPHY

There are two research groups specialising in Human Geography at Manchester. These are the Geographical Political Economy and the Urban Transformations research groups. The University of Manchester is one of the best places to study Human Geography in the world. You will be supervised by world-leading academics with very strong reputations for research quality. Geography in Manchester was ranked 8th in the world by the 2014 QS world university rankings. In the UK research assessment exercise 2008, 94% of our outputs were considered internationally-recognised, with an exceptionally high proportion (65%) judged to be internationally-excellent or world-leading. Our Human Geography staff members hold editorial positions with leading research publications, including major journals such as *Antipode*, *Area*, *Geography Compass*, *Geoforum*, *International Journal of Urban and Regional Research*, and *Progress in Human Geography*. Recent PhD graduates have been appointed to positions at leading universities in Europe, North America and the Far East, while others now shape national and international policy environments through their work in government agencies, research institutes and activist organisations.

## KEY RESEARCH AREAS AND PRIMARY OPPORTUNITIES:

The **Geographical Political Economy** research group is the longest-standing geography research group at the University of Manchester. Members of the group share a common commitment to political economy in analysing spatial and temporal unevenness as well as environmental change. Members of this group include Erik Swyngedouw, Noel Castree, Federico Cugurullo, Jamie Doucette, James Evans, Bill Kutz, Stefan Bouzarovski, Martin Hess, Saska Petrova and Kevin Ward. Recognising economic life

as geographically constituted, and capitalism as a highly variegated and differentiated system, we focus on how space, place, scale and the biophysical world are integral to economic and social processes. Conceptualising states, corporations, labour and 'nature' as interconnected actors, our research examines the conditions under which new economic geographies are produced, and the social, political and environmental possibilities to which they give rise.

### Research areas include:

- Corporate networks
- Governance
- Nature and resources
- Work and employment.

The research of the Geographical Political Economy research group has been funded by the British Academy, the Economic and Social Research Council, the Leverhulme Trust, the National Science Foundation, the RGS-IBG, the Rockefeller Foundation, the Office for the Deputy Prime Minister and the European Union.

The **Urban Transformations** research group focuses on theorizing critically and substantiating empirically the socio-political and cultural processes that produce urbanity and transform cities over time and across different geographical territories. Members of this group include Maria Kaika, Erik Swyngedouw, Saska Petrova, Jonathan Darling, Martin Dodge, James Evans, Mark Jayne, Chris Perkins, Fiona Smyth, Kevin Ward and Helen Wilson. In close synergy with the Geographical Political Economy research group our research develops innovative ways of understanding and theorising urban political ecology, urban economic and social change, policy mobilities, financialisation and crisis, urban land and infrastructures, and urban technologies. The group's

output comprises highly cited monographs and articles in top journals. The agenda developed by the Urban group complements the wider University's strategic initiatives on critical urbanism (e.g. [cities@manchester](mailto:cities@manchester)) and the Global Urban Research Centre. The group also runs *Open Space*, an interdisciplinary forum where PhD students share their work, and host annual academic events with tailored PhD workshops as well as guest lecture's from some of Geography's leading academics such as Professors Ed Soja and Neil Smith. The group also contributes teaching to the MSc course in Environmental Governance.

### Our current funded research projects in the Urban Transformations research group include:

ENTITLE, The European Network for Political Ecology (Prof. Maria Kaika and Prof. Erik Swyngedouw) an EU-funded Network which includes 10 other academic institutions and NGOs across Europe, Chile, Turkey and Palestine. ENTITLE is funded by the Marie Curie action of FP7 and supports 18 researchers in the inter-disciplinary field of Political Ecology. CURE, the Centre for Urban Resilience and Energy, funded via a European Research Council Fellowship (Prof. Stefan Bouzarovski) further expands our networks of national and international collaboration, and promote high impact, agenda setting work on the links between the built environment, environmental policy, and climate change. Our work has also been supported by the British Academy, DFID, ESRC, European Commission, Joseph Rowntree Foundation, and the Leverhulme Trust.

# PHYSICAL GEOGRAPHY

There are two research groups specialising in Physical Geography. These are the **Environmental Processes** and the **Quaternary Environments and Geoarchaeology** research groups. Research is done at a variety of timescales, from the present day to the Pleistocene ice ages. Themes include future prediction and modelling, present-day observation, monitoring and modelling, and also reconstruction of past environments and environmental changes. You will be supervised by world-leading academics with very strong reputations for research quality.

Geography in Manchester was ranked 8th in the world by the 2014 QS world university rankings. In the UK research assessment exercise 2008, 94% of our outputs were considered internationally-recognised, with an exceptionally high proportion (65%) judged to be internationally-excellent or world-leading.

Our Physical Geography staff members hold editorial positions with leading research publications, including major journals such as *Journal of the Geological Society*, *Geoarchaeology* and *Transactions of the Institute of British Geographers* and also serve on various panels of the UK Natural Environmental Research Council.

Recent PhD graduates have been appointed to positions at leading universities around the world, while others now work in government agencies and research institutes as well as conservation organisations.

Many graduates have gone on to work in environmental consultancy in both the public and private sector. Our graduates also have a strong track record in the energy and mining sector (including renewable energy, oil, gas, aggregates and minerals).

## KEY RESEARCH AREAS AND PRIMARY OPPORTUNITIES:

The **Environmental Processes** research group comprises Clive Agnew, Tim Allott, Gareth Clay, Martin Evans, Claire Goulsbra, Angela Harris, Sarah Lindley, Julia McMorrow and James Rothwell. Work includes the analysis of environmental processes at a range of spatial scales and geographical locations, but particularly in upland and urban environments. Fundamental and applied research is supported by the Research Councils (particularly NERC and EPSRC) and a range of government and non-government agencies (DEFRA, DTI, UKCIP, Environment Agency, Natural England and Moors for the Future).

### Specialisms include:

- Geomorphology and earth system processes
- Peatlands and soils
- Geographical information sciences, including terrain analysis and terrestrial remote sensing
- Hydrology and freshwater environmental sciences
- Urban climatology, climate adaptation and urban air pollution.

The **Quaternary Environments and Geoarchaeology** research group is particularly interested in the analysis of the response of geomorphological systems and ecosystems to global climate change. This includes the study of glaciers, rivers, lakes, deserts and high mountain terrains as well as palaeoecology, geochemistry and a range of geochronological applications. We also have interests in geoarchaeology. The group comprises Tim Allott, Jason Dortch, Laura Edwards, William Fletcher, Philip Hughes, Christine Lane, Peter Ryan, Abi Stone and Jamie Woodward. This research involves work throughout the world including in the

Arctic, British Isles, Mediterranean, Himalaya, North America as well as both northern and southern Africa. Research is funded by various bodies, including the Leverhulme Trust, NERC, the Royal Society and the Royal Geographical Society.

### The group's expertise spans:

- Quaternary climate change
- Geochronology (OSL, cosmogenic exposure dating, U-series, tephrochronology)
- Glacial geomorphology and glaciology
- Fluvial geomorphology
- Dryland environments
- Palaeoecology and palaeoenvironmental reconstruction (including a range of proxies: pollen, chironomids, diatoms and geochemical analyses)
- Geoarchaeology.





# APPLYING

Admission to PhD in our School is highly competitive. In reaching a decision on applications, we review a number of criteria, including:

- Your academic standing and relevant professional experience
- The relevance and strength of your research proposal
- The availability of two appropriate supervisors for PhD programmes.

## ENTRY REQUIREMENTS FOR THE SCHOOL OF ENVIRONMENT, EDUCATION AND DEVELOPMENT (SEED)

In order to apply you are expected to have:

- A First or Upper Second Class Bachelor degree (or its international equivalent)
- A relevant postgraduate qualification, generally a Master's degree, with Merit and a minimum average grade of 60% in both the taught modules and your dissertation (or international equivalent of 60%).

For applicants whose first language is not English, evidence of English language proficiency must be supplied via a Secure English Language Test (SELT). Our English language proficiency requirements are:

- IELTS 7.0 overall, 7.0 in writing, 6.0 in the other subsections or
- TOEFL (internet based) 100 overall, 25 in writing, 22 in the other subsections or
- Pearson Test of English (PTE) 66 overall, 66 in writing, 59 in the other subsections or
- Cambridge Certificate of Proficiency in English Grade C or
- Cambridge Certificate of Advanced English Grade A.

Please note: The Cambridge First Certificate in English is not acceptable.

Please apply online at the University of Manchester website:

[www.manchester.ac.uk/study/postgraduate-research/admissions/how-to-apply](http://www.manchester.ac.uk/study/postgraduate-research/admissions/how-to-apply)

# PREPARE TO MAKE A DIFFERENCE

Your completed application should include the following documents:

- Completed application form
- Two references, one of which should be familiar with your academic work, on headed paper from the institution, signed, dated and stamped
- Degree certificate for completed Bachelor's degree
- Degree transcript for completed Bachelor's degree
- Degree certificate for completed postgraduate qualification
- Degree transcript for completed postgraduate qualification
- Research proposal
- Evidence of your English language proficiency, if applicable
- A personal statement outlining your reasons for wishing to study on the programme and the experience and skills you will bring to your research
- A detailed CV is helpful, but not essential.

## IDENTIFYING A SUITABLE SUPERVISOR

Providing clear details of your research area or group within your research proposal will make it easier for us to identify suitable opportunities for you. Please check our website for relevant research groups to find a potential supervisor and include this in section 6 of the application form under 'proposed programme of study.' You can apply without identifying a preferred supervisor, but we recommend that you contact potential supervisors for advice on developing your research proposal in advance of submitting your application. Although guarantees cannot be made, we will do our best to match your area of research to the most suitable supervisors within the field.

## WRITING YOUR RESEARCH PROPOSAL

PhD applications should be accompanied by a research proposal approximately of 1000–2000 words, explaining what you wish to research, how you intend on doing this and why.

Ideally a research proposal should cover and be structured around the following:

- Thesis title
- Literature review - how the proposed research relates to previous research/literature in this field
- Argument - justification of your questions or hypotheses as worthy of investigation and main questions or hypotheses to be addressed
- Method - overview of the proposed research methodology, sources and types of data, including methods of collection and methods of analysis
- Draft timeframe - main stages in the conduct of the proposed research with time allocation
- References.

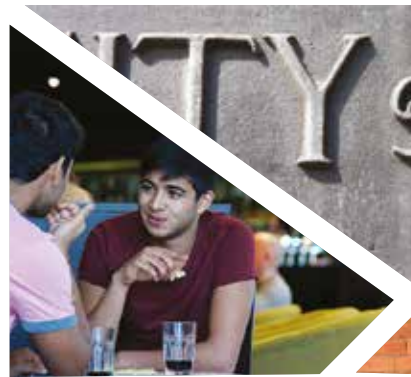
Please note: It is possible to change the focus of a thesis at a later stage, but it is essential that there is a firm indication of the direction of your research interests before an offer can be considered.

## TIME SCALE

Research degree projects should also be sufficiently limited in scope to be capable of being tackled within a reasonable time. While extensions are possible, you should plan to complete in the duration of full-time study specified – usually 3 to 4 years depending on your programme. An appropriate and manageable subject is a prerequisite to successful research.

## WHAT HAPPENS NEXT?

When you submit your application you will receive notification that your application has been received. We will contact you to let you know if we require any further information from you. We aim to process all applications within 6 weeks of receipt of a completed application. We may be able to make a decision on your application in a shorter period of time, for example where you have requested a specific supervisor. We will contact you with a decision as soon as possible.



## FIND OUT MORE ONLINE

Further details can be found on the School's website:

[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 programmes 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 potential new home:

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

## ADMISSIONS AND APPLICATIONS

Everything you need to apply to Manchester:

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

## ALAN GILBERT LEARNING COMMONS

Our brand new, ultra-modern student learning environment:

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

## CAREERS

Many major recruiters target our postgraduates; find out why:

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

## CHILDCARE

Support for students who are also parents:

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

## DISABILITY SUPPORT

For any additional support needs you may have:

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

## FUNDING AND FINANCE

Fees, scholarships, bursaries and more:

[www.manchester.ac.uk/study/postgraduate//fees](http://www.manchester.ac.uk/study/postgraduate//fees)

[www.manchester.ac.uk/study/postgraduate//funding](http://www.manchester.ac.uk/study/postgraduate//funding)

## INTERNATIONAL STUDENTS

Discover what we offer our multinational community:

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

## IT SERVICES

Online learning, computer access, IT support and more:

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

## LIBRARY

One of the UK's largest and best-resourced university libraries:

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

## MANCHESTER

Britain's 'original modern' city is right on your doorstep:

[www.visitmanchester.com](http://www.visitmanchester.com)

## MAPS

Visualise our campus, city and University accommodation:

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

## PROSPECTUS

Access online or order a copy of our 2015 prospectus:

[www.manchester.ac.uk/study/masters/prospectus](http://www.manchester.ac.uk/study/masters/prospectus)

## SPORT

Clubs, leagues, classes, facilities and more:

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

## SUPPORT

Dedicated academic, personal financial and admin assistance:

[my.manchester.ac.uk/guest](http://my.manchester.ac.uk/guest)

## STUDENTS' UNION

Societies, events, peer support, campaigns and more:

[www.manchesterstudentsunion.com](http://www.manchesterstudentsunion.com)

## VIDEOS

See and hear more about our University:

[www.youtube.com/user/universitymanchester](http://www.youtube.com/user/universitymanchester)

## WANT TO TALK THROUGH YOUR DECISION?

We welcome enquiries regarding the admissions process.

Please direct them to:

**Recruitment and Admissions Office**  
School of Environment, Education and Development  
Arthur Lewis Building  
The University of Manchester  
Oxford Road  
Manchester  
M13 9PL  
United Kingdom

+44 (0)161 275 0969

[seed.admissions@manchester.ac.uk](mailto:seed.admissions@manchester.ac.uk)



School of Environment, Education and Development  
The University of Manchester  
Arthur Lewis Building, Oxford Road  
Manchester, M13 9PL, United Kingdom  
**Tel: +44(0)161 275 0969**  
**Email: [seed.admissions@manchester.ac.uk](mailto:seed.admissions@manchester.ac.uk)**  
**[www.seed.manchester.ac.uk](http://www.seed.manchester.ac.uk)**

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