Part of the prestigious Russell Group, The University of Manchester is home to world-class academics, ground-breaking research and a thriving student community that hails from over 160 different countries.

And by joining us here in Manchester, you’ll be making yourself at home in Britain’s most popular student city, voted as the UK’s most liveable city two years in a row.

**Graduate Market in 2017, High Fliers**

**QS World University Rankings**

We are one of the most targeted universities by the top 100 graduate employers*

25 Nobel Prize winners have worked or studied here

A multicultural community of over 40,000 students from 160 countries

29th in the world**

*Graduate Market in 2017, High Fliers **QS World University Rankings

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GLOBAL CHALLENGES
MANCHESTER SOLUTIONS

RESEARCH IS FUNDAMENTAL TO THE UNIVERSITY OF MANCHESTER.

We’re committed to both the discovery of new knowledge and its application for social and economic value. Researchers in Manchester’s beacon areas are at the forefront of the search for innovative solutions to some of the biggest challenges facing the planet today.

OUR RESEARCH BEACONS:
- Global inequalities
- Advanced materials
- Cancer
- Energy
- Industrial biotechnology

GLOBAL INEQUALITIES

GLOBAL CHALLENGE: A lack of urban greenspace can lead to problems such as urban hotspots and flooding.

MANCHESTER SOLUTION: Our research led to the development of tools that help planners intelligently design urban greenspace. An online tool for assessing the effects of trees on adapting towns and cities to climate change was developed, and is accessed by more than 350 organisations a year, often as far away as Japan and Brazil.

GLOBAL CHALLENGE: To tackle social deprivation, policy-makers need to pinpoint areas where deprivation is most acute, before deciding on appropriate forms of intervention. A robust classification of deprived areas is crucial. Formerly, the measure used for this task was relatively crude, and did not sufficiently account for the complex and multifaceted nature of deprivation or adequately capture either different types of deprivation or the many underlying contributory factors.

MANCHESTER SOLUTION: Our research has transformed how central and local government describe and classify deprived urban areas. With more effective methods to describe these areas, authorities can better direct resources to the neighbourhoods most in need.

FIND OUT MORE:
www.manchester.ac.uk/beacons

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5th in the UK for Research power*

*The most recent UK Research Excellence Framework (REF 2014)
GEOGRAPHY at
THE UNIVERSITY
OF MANCHESTER

One of Europe’s best-equipped universities for studying Geography

Worldwide fieldwork opportunities

Strong industry links

Geography taught at Manchester for over 125 years

Wide range of optional course units available

Be taught by world-class academics

One of the top 20 in the UK for Geography**

Home of the new Manchester Urban Institute

90% of our Geography research is rated as ‘world leading’ or ‘internationally excellent’ in terms of impact*

One of Europe’s best-equipped universities for studying Geography

* Most recent Research Excellence Framework (REF 2014)
** QS World University Rankings
WHERE CAN A GEOGRAPHY MASTER’S TAKE YOU?

OUR GRADUATES GO ON TO SHAPE ENVIRONMENTAL POLICY THROUGH POSITIONS IN THE PUBLIC AND PRIVATE SECTORS

- Consultancy
- Research
- Non-Government Organisations
- Environmental Management
- Project Management
- Agriculture and Forestry
- Environmental Sciences
- Energy Sector
- Marketing
- Finance
- Water Industry

TOP EMPLOYERS OF OUR GEOGRAPHY GRADUATES

WE ARE ONE OF THE MOST TARGETED UNIVERSITIES BY THE UK’S TOP GRADUATE EMPLOYERS*

*The Graduate Market in 2017, High Flyers Research

FOR MORE INFORMATION ON CAREERS, PLEASE VISIT OUR WEBSITE:

www.seed.manchester.ac.uk/geography/study/careers-and-employability
MAIN TEACHING LABORATORY
Most practical sessions take place in this laboratory.

ANALYTICAL LABORATORY
For the analysis of a wide range of soil, sediment and water properties.

MICROSCOPY LABORATORY
Three high-range, research-quality microscopes with image-capture facilities and 50 teaching microscopes with phase-contrast capability.

SEDIMENTS AND PROJECT LABORATORIES
For sample preparation, including ovens, furnaces and ball mills.

SPECIALIST SOFTWARE
You can learn professional skills such as coding and programming specialist, industry-standard, software such as image processing, GIS, GPS and cartographic representation.

LIBRARY RESOURCES
The University of Manchester Library is one of only five National Research Libraries and one of the best-resourced academic libraries in the country. It is 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, which contains many of the teaching and learning materials that you will need, from books and journals to DVDs and past dissertations.

VIRTUAL TOUR
Take our virtual tour to explore 360 degree views of the places you could study and some of the buildings and workshops that make up the School of Environment, Education and Development.

www.seed.manchester.ac.uk/geography/study/laboratory-facilities

www.seed.manchester.ac.uk/about/virtual-tour
Sam is an MSc Environmental Monitoring, Modelling and Reconstruction student at the University. Sam chose to continue his studies within the School of Environment, Education and Development after completing his BSc Geography course here.

“I had been at the school for three years during my undergraduate studies, so knew of the quality of support and learning I would have access to. The course itself presented a wide range of topics which I found interesting, and it is widely respected amongst environmental sector employers.”

“MUGS – the official Geography society

As well as a busy social calendar, the University’s Geography society helps to organise guest lectures and provides a support system for essay writing, presentations and studying.

“For me, I felt welcome in the city and the University straight away. I also think the history, reputation and the pride of Manchester has meant that it is home to a huge variety in terms of what you can choose to do in your own time, and in your studies.”
This MSc addresses some of the key environmental challenges of our time, exploring the connections between environmental governance and policies and the production, distribution and consumption of resources. It will develop your ability to apply sophisticated, critical and interdisciplinary sustainability and environmental theories at multiple scales and in different geographical contexts. It is ideal for pursuing a career in environmental regulation and management; those wishing to conduct further research on these topics; and environmental professionals wishing to deepen their knowledge.

**CORE UNITS TYPICALLY INCLUDE:**
- Key Debates in Environmental Governance
- Issues in Environmental Policy
- Doing Environmental Research
- Political Ecologies
- Dissertation

**OPTIONS:**
- Environmental Change and Reconstruction
- Planning for Environmental Change
  (Course units may change)

**YOU WILL ALSO SELECT UNITS FROM OUR POSTGRADUATE PORTFOLIO ACROSS THE FACULTY OF HUMANITIES, INCLUDING GEOGRAPHY, PLANNING AND ENVIRONMENTAL MANAGEMENT, AND INTERNATIONAL DEVELOPMENT**

**FIND OUT MORE:**
www.seed.manchester.ac.uk/geography

**ENVIRONMENTAL GOVERNANCE MSC**

**DURATION**
- FULL-TIME: 12 months
- PART-TIME: 27 months
Concerns over human impact on the environment have stimulated demand 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.

This MSc focuses on analysing past, present, and future dynamic environments, providing you with the skills for a career in environmental management or consultancy, or a firm grounding for research in the environmental sciences.

**CORE UNITS TYPICALLY INCLUDE:**
- Environmental Change and Reconstruction
- Environmental Monitoring and Modelling Concepts
- Environmental Monitoring and Modelling Practice
- Dissertation Support
- Dissertation

**OPTIONS:**
- 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
- Hydrochemical Modelling
- Ice Age Earth
- Managing the Uplands
- Climate Change and Carbon Cycling
- Coastal Processes
- Frozen Planet, Satellites and Climate Change

(Course units may change)

**FIELDWORK**
There are opportunities to go out into the field, both for practicals and to gain field research experience with members of staff. We maintain an intensively monitored catchment in the Peak District and this is the focus of several practical exercises, as well as a source for data to support dissertation work.

**FIND OUT MORE:**
www.seed.manchester.ac.uk/geography
Geographical information technologies are increasingly used in everyday life, such as Google Earth and geosocial networking. Core geographical information science technologies, including geographical information systems (GIS) and remote sensing, have had a long history of application in government and private sector environmental agencies, planning, agriculture, forestry, utilities and transportation. This MSc focuses on the multi-disciplinary science concerned with the development and application of geographical information science technologies. It will prepare you to pursue a career in a geographical information science field.

**CORE UNITS TYPICALLY INCLUDE:**
- Environmental Remote Sensing
- GIS and Environmental Applications
- GIS and the Web
- Dissertation Support
- Dissertation

**OPTIONS:**
- Applied Study Unit
- Environmental Monitoring and Modelling in Practice
- Environmental Monitoring and Modelling Concepts
- Fundamentals of Information and Information Systems
- ICTs in Practice
- Ideas in Mapping
- Neighbourhood Planning Project
- Spatial Analysis for Social Sciences
- Introduction to Critical GIS
(Course units may change)

**FIND OUT MORE:**
www.seed.manchester.ac.uk/geography
RESEARCH METHODS WITH HUMAN GEOGRAPHY MSC

This is a research intensive master’s designed for those who wish to continue on to PhD and/or are considering embarking on a career in research. It has a strong focus on developing research skills combined with further study in human geography. The MSc is designed to comply with the research training requirements for two ESRC scholarships as administered by the North West Social Science Doctoral Training Partnership (NWSSDTP): the three year PhD scholarship (commonly termed +3) and the four year scholarship that covers an eligible one year master’s and a three year PhD (commonly termed 1+3).

It is ideal if you want to apply for an ESRC scholarship through the NWSSDTP or a School of Environment, Education and Development scholarship. NWSSDTP approved master’s must meet the minimum research training requirement expected by the ESRC.

CORE UNITS TYPICALLY INCLUDE:
- Research Literacy and Design
- Qualitative Research Approaches
- Quantitative Research Approaches
- Dissertation

YOU WILL SELECT ONE FROM THE FOLLOWING OPTIONS:
- Doing Environmental Research
- Development Fieldwork
- Independent Research Methods
(Course units may change)

YOU WILL ALSO SELECT FOUR UNITS FROM OUR GEOGRAPHY POSTGRADUATE PORTFOLIO

FIND OUT MORE:
www.seed.manchester.ac.uk/geography
FEES AND FUNDING FOR MASTER’S PROGRAMMES

TUITION FEES

UK/EU STUDENTS: £9,500

INTERNATIONAL STUDENTS: £18,500

PART-TIME FEES ARE EQUIVALENT TO 50% PER YEAR

INTERNATIONAL STUDENTS

A good way for you to start exploring your master’s funding options is to ask staff in your subject area for advice on how previous international students have financed their studies. You should also contact the ministry of education or education department along with the British Council office in your own country. Before you start your search for funding, you should consider the following:

• Funding opportunities are competitive and normally awarded to students with outstanding academic results.
• The application process for funding opportunities can start very early in the admissions cycle.
• If you need a visa to study in the UK, you will need to prove that you are able to meet both the tuition and living costs.

SCHOOL OF ENVIRONMENT, EDUCATION AND DEVELOPMENT SCHOLARSHIPS

The School offers a number of postgraduate taught scholarships and merit awards to outstanding applicants; further information is available online:

www.seed.manchester.ac.uk/study/taught-masters/fees-and-funding

MANCHESTER ALUMNI SCHOLARSHIPS

This scholarship is available to University of Manchester graduates with a first-class honours degree enrolling on a Faculty of Humanities master’s course starting in September 2019. Students applying will need to apply within three years of receiving their degree. The scholarship is available for international, EU and home students who will study full-time, part-time or by distance learning.

MANCHESTER MASTER’S BURSARY

The University of Manchester offers 100 bursaries for master’s students, each worth £3,000 in funding, to UK/EU students from widening participation backgrounds.

POSTGRADUATE LOAN

Postgraduate loans of up to £10,280 are available for eligible UK/EU students commencing taught and research master’s courses in the 2019/20 academic year.

PROFESSIONAL AND CAREER DEVELOPMENT LOANS

These are different from postgraduate loans in that they are bank loans with stricter payment conditions. You can take out between £300 and £10,000. Further information:

www.gov.uk/career-development-loans/overview

FIND OUT MORE:

www.manchester.ac.uk/study/masters/funding
ENTRY REQUIREMENTS

<table>
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<tr>
<th>COURSE</th>
<th>DEGREE</th>
<th>ENGLISH LANGUAGE</th>
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<tr>
<td>ENVIRONMENTAL MONITORING, MODELLING AND RECONSTRUCTION MSC</td>
<td>Minimum 2:1 Honours degree in earth sciences, environmental sciences, geography, chemistry, biological sciences, mathematics, engineering, or a cognate discipline. We particularly welcome applications from geographers already working in research or policy-related fields.</td>
<td>Students whose first language or language of instruction is not English may be asked to provide evidence of fluency in English as follows: IELTS 6.5 overall, 6.5 in writing, no sub-section below 6.0</td>
</tr>
<tr>
<td>ENVIRONMENTAL GOVERNANCE MSC</td>
<td>Minimum 2:1 Honours degree. We welcome applicants from a range of degree backgrounds, especially geography, politics, anthropology, sociology and philosophy. You may need to undertake additional study on your own if you do not understand basic knowledge presupposed in some of the taught units.</td>
<td></td>
</tr>
<tr>
<td>GEOGRAPHICAL INFORMATION SCIENCE MSC</td>
<td>Minimum 2:1 Honours degree. 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.</td>
<td></td>
</tr>
<tr>
<td>RESEARCH METHODS WITH HUMAN GEOGRAPHY MSC</td>
<td>Minimum 2:1 Honours degree.</td>
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PART-TIME STUDY

The part-time route is not on a day-release basis. There are no evening or weekend course units. If you are considering part-time study, you should discuss the requirements with the Programme Director first and check the timetable to ensure that you can attend the compulsory classes. You should also seek approval from your employer to have the relevant time off.

HOW TO APPLY

APPLY ONLINE AT

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.
- Two references, one of which should be familiar with your academic work, on headed paper from the institution, signed, dated and stamped.
- 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 us the original documents which demonstrate your academic qualifications and your English language ability.
The Geography Department at The University of Manchester is home to one of the UK’s most dynamic groups of geographical researchers, scholars and teachers. 90% of our geography research was rated as ‘world leading’ or ‘internationally excellent’ in terms of impact in the most recent Research Excellence Framework (REF 2014).

We are committed to making significant contributions to some of the most important intellectual and practical issues facing society. By choosing to study a PhD with us, you will be supervised by world-leading academics with very strong reputations for research quality, and you will join a vibrant, international research community.

**DURATION**

- **FULL-TIME**
  - **36 months**
- **PART-TIME**
  - **72 months**

**HUMAN GEOGRAPHY PhD**

**PHYSICAL GEOGRAPHY PhD**

Our human geography research groups:

**MAPPING: CULTURE AND GIScience**

A collaboration of research interests involving GIS and mapping, including creative, cultural and critical scholars alongside geographical information scientists, remote sensing specialists and physical geographers interested in spatial analysis. The group takes a holistic view of mapping, drawing upon both technical and critical skillsets in the development of new methods and applications.

**CITIES, POLITICS AND ECONOMICS**

Drawing on Manchester Geography’s international reputation for agenda-setting urban research, the group provides a forum to explore, analyse and address contemporary political, economic and urban challenges. The group is core to the Manchester Urban Institute.

**SOCIETY AND ENVIRONMENT**

A group of internationally recognised geography scholars focused on environment-society relations. The group influences a wide range of social, political, and environmental contexts.

Our physical geography research groups:

**ENVIRONMENTAL PROCESSES**

Brings together expertise from a wide range of sub-disciplines to tackle some of the most challenging research questions associated with contemporary environmental risk and response. Specialisms include geomorphology, hydrology, biogeochemistry, freshwater and atmospheric environmental science, ecosystem physical processes and geographical information science.

**QUaternary ENVIRONMENTS AND GEOARCHaeology**

Study of the climate changes of the Quaternary Period and their impacts on landscapes, ecosystems and human societies. Particularly interested in the analysis of the response of geomorphological systems and ecosystems to 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. Also an interest in geoarchaeology.

To find out more about our research groups and their current projects, or studying a PhD with us, including finding a potential supervisor, please visit:

www.seed.manchester.ac.uk/geography/research/
This prospectus was printed in 2018 for the purposes of the 2019 intake. It has therefore been printed in advance of course starting dates. As such, for a number of reasons, master's course information, including, for example, details of course content, module availability and/or published term dates, may be amended either prior to or after you apply for a place on a course.

These reasons may include, but are not limited to:
- the need to make, for operational and/or academic reasons, reasonable changes to the content and teaching offered in relation to any course;
- the withdrawal of courses due to cohort numbers being insufficient;
- a course not receiving the relevant accreditation required; and/or
- interruption or loss of key services due to circumstances beyond our control, including fire, flood or other operational issues.

Prospective master's students are reminded that they are responsible for ensuring, prior to applying, or accepting an offer, to study at The University of Manchester, that they review up-to-date course information, by searching for the relevant master's course at: www.manchester.ac.uk/study/masters/courses/

All information relating to tuition fees and funding is correct at the time of publication. However, this may change for a number of reasons, including if there is a change to government policy.