

MANCHESTER  
1824

The University of Manchester

# POSTGRADUATE PROSPECTUS 2014



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

**1,000,000,000**

Pounds to be invested in the University by 2020

**270,000,000**

Pounds of external research funding

**4,000,000**

Books and manuscripts in our libraries

**270,000**

Alumni across 180 countries

**11,000**

International students

**400**

Degree programmes

**25**

Nobel Prize winners

**1**

Choice: The University of Manchester

# YOU'RE BETTER CONNECTED AT MANCHESTER

With a breadth of research activity that's unrivalled in the UK, we work across disciplines and beyond the University, connecting the brightest minds to find innovative solutions to the world's greatest challenges.

We offer pioneering taught courses that draw upon our world-leading research and our strong links to global industry. You'll quickly develop skills, knowledge and experience that will make employers sit up and listen.

Connect with Manchester and the world will connect with you.

## COME TO AN OPEN DAY OR VISIT US:

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

We offer taught masters courses and research programmes in more subjects than any other UK university. In this prospectus we introduce you to these opportunities.

For each subject we provide contact details so you can find the most up-to-date information. You can also speak to us online at:



/AdmissionsUoM



@AdmissionsUoM

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If you require a copy of this prospectus, or certain sections of it, in an alternative format, please contact us:

tel +44 (0)161 275 4740  
[www.manchester.ac.uk/postgraduate](http://www.manchester.ac.uk/postgraduate)

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# WELCOME TO THE UNIVERSITY OF MANCHESTER

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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.

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

## WE MAKE THINGS HAPPEN

We turn enthusiasm into achievement and ground-breaking 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.

## 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.

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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.

## 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.

## 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.



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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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“The University of Manchester provides an enjoyable, dynamic and exciting working environment, full of enthusiastic people with a positive attitude towards research and postgraduate study.”

**Annette Allen**  
PhD Neuroscience



# THE MANCHESTER EXPERIENCE

## MANCHESTER MADE THEM

Students, staff, an employer and an alumna share their Manchester experiences throughout this prospectus.

### **Professor Dame Nancy Rothwell**

President and Vice-Chancellor of The University of Manchester  
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### **Moyin Kwok**

International Recruitment Assistant, Student Recruitment and International Development  
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Electrical and Electronic Engineering PhD student  
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### **Dr Karen Piper-Hanley**

Lecturer in Molecular Medicine  
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### **Susanna Hill**

Art Gallery and Museum Studies masters student  
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### **Professor Sir Kostya Novoselov**

Physics and Astronomy research associate  
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### **Cliff Workman**

Psychology PhD student and President's Doctoral Scholar student  
p120

A university that answers life's biggest questions.  
A city with a passion for innovation and reinvention,  
setting the pace in industry, sport and the arts.  
An education that will equip students for future  
success and inspire them to make a difference.

Experience all this and more in Manchester.





# INSPIRATIONAL MANCHESTER



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It's in our DNA to find new ways to do things, whether it's finding the energy solutions of tomorrow through Manchester Energy, influencing the nuclear agenda at Dalton Nuclear Institute, or exploring the potential of a new wonder-material at the National Graphene Institute.

Our links to industry accelerate our impact, quickly transforming research into real-world solutions. We have strong ties to the National Health Service and, through the Manchester Academic Health Science Centre, we're working with our regional population to establish a model of innovative health research.

Though rooted in Manchester, our reach is global, touching everyone from midwives in east Africa to artists in war-torn areas. We help improve livelihoods through our Brooks World Poverty Institute and, at the Sustainable Consumption Institute, we find smarter ways for the world to use its energy.

We educate businesses and leaders at the Manchester Business School, and inspire the public at our Whitworth Art Gallery, Manchester Museum, John Rylands Library and Martin Harris Centre for Music and Drama.

Our students benefit from the experiences of renowned academics, such as Brian Cox, star of the BBC's science programming, author Jeanette Winterson at the Centre for New Writing, and Michael Wood, our new Professor of Public History. And we're led by Vice-Chancellor Dame Nancy Rothwell, famed for her work on stroke and brain injury, and committed to public engagement.

Join us and you'll be part of a teaching and research community that is finding solutions to some of the world's most urgent problems.

## GRAPHENE – THE WORLD’S LATEST WONDER-MATERIAL

Lightweight, super-strong and highly conductive, this new wonder-material will transform technologies and revolutionise applications in every walk of life – from solar power and fuel cells to flat-screen technology and disease detection.

Isolating the properties of graphene won our scientists Andre Geim and Kostya Novoselov the Nobel Prize for Physics in 2010.

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

## LEADING THE FIGHT AGAINST CANCER

The development of a new £28.5 million state-of-the-art Manchester Cancer Research Centre – in collaboration with The Christie and Cancer Research UK – means we will soon be home to one of Europe’s largest cancer research centres and able to translate the benefits of life-saving research from bench to bedside more quickly than ever before.

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

## RESPONDING TO HUMANITARIAN CRISES

The Humanitarian and Conflict Response Institute is inspired by the need to understand the impact of contemporary and historical crises across the globe, to better address current challenges and pre-empt future issues. The institute informs and supports policy and decision makers, and optimises joint working between partner organisations.

Bringing together the disciplines of the humanities and medicine, we are broadening and deepening knowledge of humanitarian practices, bringing improvements to crisis response.

[www.hcri.ac.uk](http://www.hcri.ac.uk)

## UNDERSTANDING THE BRAIN

The brain is not built to last. That’s why we investigate how the brain evolves, ages and deteriorates, exploring its complex circuitry to help us better protect it.

We have discovered that ‘silent strokes’ can trigger Parkinson’s disease, and we are now investigating compounds with the potential to treat neurodegenerative diseases such as Huntington’s and Alzheimer’s.

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

# STANDING ON THE SHOULDERS OF GIANTS



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Our story is one of world firsts and brilliant discoveries. In total, 25 Nobel Prize winners have worked or studied here.

Manchester is the birthplace of nuclear physics, where Ernest Rutherford first split the atom. The world's first stored-program computer was developed here, and Alan Turing pioneered artificial intelligence during his time at the University.

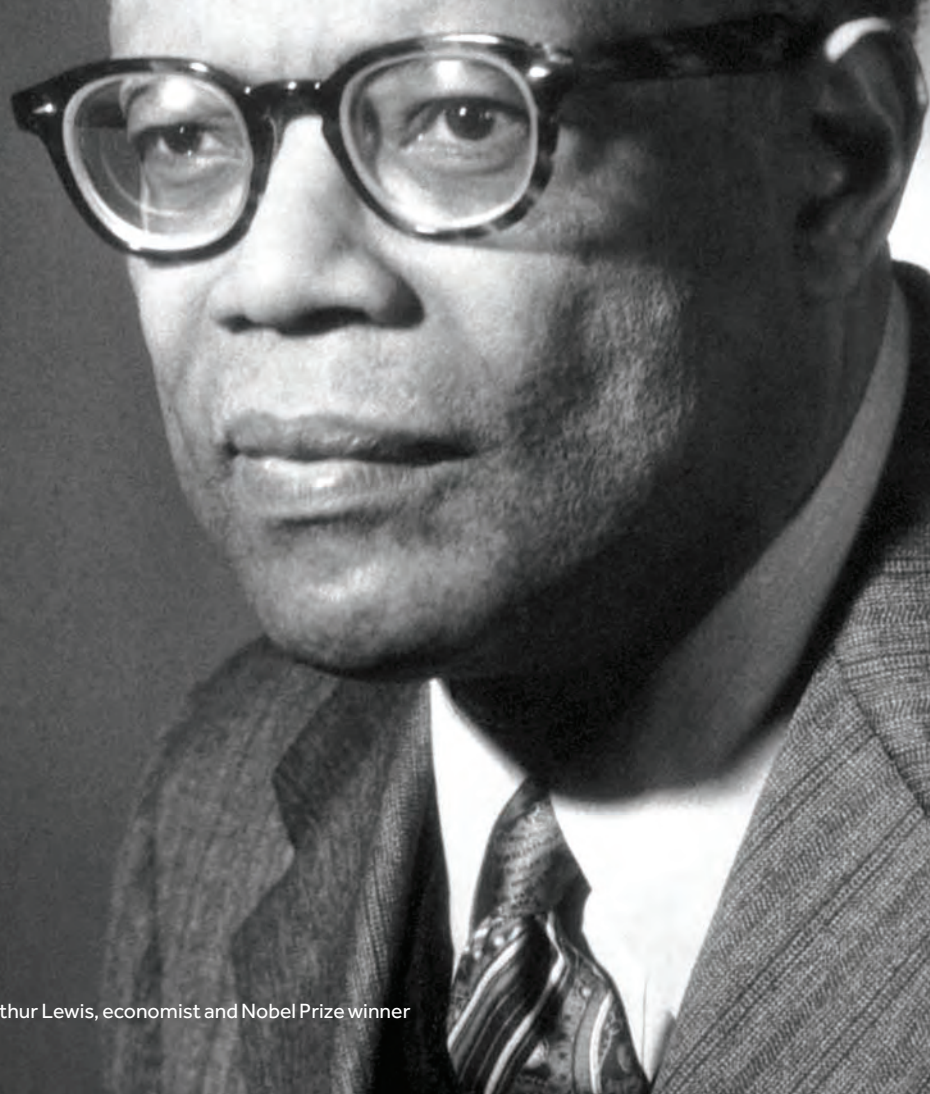
Our observatory at Jodrell Bank is home to the iconic Lovell Telescope – the biggest telescope of its type in the world when it was built. Fittingly, Jodrell Bank will be the central control hub for the world's largest radio telescope, the Square Kilometre Array.

The economist Arthur Lewis became the first black professor at a British university when he joined us, and published his most influential works while at Manchester. And Christabel Pankhurst, a Manchester law graduate unable to enter the profession on account of her sex, became one of the suffragette movement's most committed campaigners.

With a degree from The University of Manchester you'll become part of this distinguished club, whose collective achievements have shaped the history of the modern world.







Sir Arthur Lewis, economist and Nobel Prize winner



**MANCHESTER  
MADE ME**



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## Professor Dame Nancy Rothwell

### President and Vice-Chancellor of The University of Manchester

**Professor Dame Nancy Rothwell is President and Vice-Chancellor of the University, and a distinguished life scientist with a specialism in neuroscience.**

Born and educated in Lancashire, Dame Nancy joined The University of Manchester in 1987. She studied and worked in London for a while, before returning to the north west of England. She holds various senior positions, including President of the Society of Biology, Co-Chair of the Council for Science and Technology and a non-executive directorship at AstraZeneca.

"From my experience, some other major cities are not particularly friendly – at least, not like Manchester. There's a 'go and do' attitude at the University, but there's also a strong sense that values matter, integrity matters here. Manchester has made me less selfish.

"The University is very strong in life sciences; by national measures, it's certainly in the top three in the UK. It's all integrated, with fabulous new buildings and fantastic equipment. From a researcher's perspective, it's ideal, as you can easily work across disciplines with experts in so many different areas.

"People think of science as being quite lonely, but it's certainly not at Manchester. In fact, it's very sociable, because you're always working in teams. Our postgraduates can both carve out their own niche and benefit from a supportive network of colleagues."

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## LEADING FROM THE FRONT

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"My career might have gone quite differently if I'd not been at Manchester. There's a good ethos throughout the University of interdisciplinary collaboration."



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THE MANCHESTER  
EXPERIENCE

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# OUR RESEARCH PEDIGREE

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“The research environment in Manchester is just excellent. The key to successful research is collaboration, and we’re in a perfect place to take advantage of what each partner has. Students go right to the forefront of their field.”

**Dr Qing-Jun Meng**  
Medical Research Council Research Fellow,  
Faculty of Life Sciences



We are recognised at a global level for the quality and volume of our pioneering research. The breadth of our research activity outstrips that of any other UK university and, in 2011/12, we attracted more than £270 million in external research funding.

In the last Research Assessment Exercise (RAE 2008) an impressive 65% of our research activity was rated 'world-leading' or 'internationally excellent', with most of the remainder judged to be of a quality that is 'recognised internationally in terms of originality, significance and rigour'.

## WHAT OUR RESEARCH CREDENTIALS MEAN FOR YOU

Whether studying for a taught masters or a research degree, you'll be directly involved with cutting-edge research.

You'll benefit greatly from our continuous investment in the best research facilities and a dynamic research culture that encourages innovative, cross-disciplinary collaboration. Our courses and programmes are led by distinguished tutors and fellow researchers working at the forefront of their disciplines, ensuring that your qualification comes with a reputation that will open doors across the world.

Close industrial partnerships with organisations from many sectors inform our research and postgraduate programmes, providing exceptional opportunities for research with commercial applications, as well as the chance to develop business and entrepreneurial skills and experience relevant to your future career.

## A PROACTIVE, COLLABORATIVE ENVIRONMENT

At Manchester we are committed to breaking down barriers and introducing fresh, interdisciplinary ways of working, opening up exciting new areas of study and discovery.

There are four Faculties at the University: Engineering and Physical Sciences, Humanities, Life Sciences, and Medical and Human Sciences. In recent years we've launched new interdisciplinary research institutes in areas ranging from global poverty to nuclear science. We also have more than 50 specialist research centres, each undertaking pioneering research into areas ranging from genetic disorders to artificial intelligence.

## UK RANKING

FTE\* research activity rated four or three stars

1: University of Oxford

**1,580**

2: University of Cambridge

**1,452**

3: The University of Manchester

**1,194**

Source: HEFCE RAE 2008

\*FTE stands for full-time equivalent research staff from each subject area who were submitted for assessment to the RAE 2008.

**Find out more, including the full RAE results across the University:**  
[www.manchester.ac.uk/research](http://www.manchester.ac.uk/research)

We also work with other universities on a range of initiatives, including:

- the Northern Aerospace Technology Exploitation Centre (NATEC), which aims to help to maintain and enhance the competitiveness of the UK aerospace industry;
- CHEM21, Europe's largest public-private partnership dedicated to the development of manufacturing sustainable pharmaceuticals; and
- FLITES, a £2.7 million research project to create a key component in reducing jet engine emissions.

**SUPPORTING BUSINESS INNOVATION**

We have an enviable track record when it comes to turning ideas into commercial reality and helping students realise the commercial potential of their research. Our innovation company, UMI<sup>3</sup>, works with researchers, entrepreneurs, business people, professional advisers and investors to handle hundreds of invention disclosures submitted by our academics and to help create companies based on our current research.

UMI<sup>3</sup> also helps to attract leading academics to Manchester by providing a dynamic, top-class support system in which they can participate and succeed in commercialisation projects.

[www.umi3.co.uk](http://www.umi3.co.uk)



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## MANCHESTER DOCTORAL COLLEGE

All postgraduate research students become members of our Manchester Doctoral College (MDC) when they register for one of our programmes. We work in collaboration with these students to generate internationally leading research that has real impact in the UK and beyond; promote high-quality supervision, monitoring and support; ensure the highest standard of excellence in programmes in partnership with our Faculties and Schools; support interdisciplinary activity across the University; and work to sustain a vibrant scholarly research community.

MDC hosts a number of doctoral training centres (DTCs), which complement our Faculty-based PhDs. Through them, you can study a four-year programme in an area of cutting-edge research, which incorporates integrated taught components. You'll be able to share interdisciplinary research development as part of a cohort of fellow doctoral students and produce a doctoral thesis meeting international standards of excellence.

Past and present DTCs include Advanced Metallic Systems, Computer Science, Humanitarian Conflict and Response, Nanoscience, Nuclear Engineering, Nuclear Fission, Manufacturing Engineering, and Sustainable Consumption. To find out what opportunities are available within our DTCs, please email MDC at [mdc@manchester.ac.uk](mailto:mdc@manchester.ac.uk).

The College also works to support and develop funding opportunities for postgraduate researchers, with our flagship funding scheme being the President's Doctoral Scholar Award (PDS Award). This scheme offers over 100 elite studentships each year and will be of interest to students of the highest calibre who have the commitment and desire to work on challenging research projects in world-leading research environments. See pages 46 and 120 for more information about this award.

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

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“Being selected as a President’s Doctoral Scholar was an honour and a great opportunity. The programme provides a tailored experience, giving training and insight into vital areas such as paper publication and leadership, while allowing you to meet many successful academics. I fully anticipate that this experience will not only provide me with transferable skills which I can use throughout my PhD, but may also foster links and opportunities for the future.”

**Ewan Ramsay**  
PhD Life Sciences

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### FIND OUT MORE

[www.manchester.ac.uk/eps](http://www.manchester.ac.uk/eps)  
[www.manchester.ac.uk/humanities](http://www.manchester.ac.uk/humanities)  
[www.manchester.ac.uk/ls](http://www.manchester.ac.uk/ls)  
[www.manchester.ac.uk/mhs](http://www.manchester.ac.uk/mhs)

# TAKING CONTROL OF YOUR CAREER



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A postgraduate degree from Manchester opens the door to a world of opportunity. We'll give you the tools to take control of your career, putting you on an upward trajectory and giving you a head start on the competition.

The challenges of a postgraduate degree will be a significant step up from your undergraduate experience. You will develop evidence to show you can be creative, determined and can use your initiative, and our academics will help you hone your critical-thinking skills so that you can construct compelling arguments from a mass of information.



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Our postgraduate alumni have changed the world as academics, business leaders, social reformers, entrepreneurs, politicians, creative artists, policy makers and more. Our notable postgraduate alumni include:

- Richard Broadbent – Chairman, Tesco
- Jane Cocking – Humanitarian Director, Oxfam
- Ann Coffey – Labour MP for Stockport
- Professor Brian Cox – physicist and TV presenter
- Mark Kermode – film critic
- HE George Maxwell Richards – fourth President of Trinidad and Tobago

Whether you decide to follow an established path or do something that breaks with the past, you will certainly leave your postgraduate degree with the skills you need to launch your career.



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## HOW WE'LL CONNECT YOU

### Our academics

If you aspire to become an academic, nothing beats working with role models whose research underpins their teaching.

Our award-winning website, An Academic Career ([www.manchester.ac.uk/academiccareer](http://www.manchester.ac.uk/academiccareer)) gives you the chance to hear our academics' advice to help plan your academic future.

### Employers, large and small

Employers from all over the UK and beyond target our graduates. More than 600 recruiters visit our campus and our recruitment fairs each year. Hundreds more employers and alumni take part in our mentoring programmes, specialist careers information events and online activities. Our careers service advertises over 6,000 jobs annually, with an online database available exclusively to University of Manchester students and alumni.

### A careers service that really understands postgraduates

Postgraduates are central to the work of our careers service. From your first day you'll have access to tailored one-to-one careers support from consultants with expertise in helping postgraduates. Our extensive careers website includes specialist sections for postgraduates and international students. We run postgraduate careers talks and events, and keep you up to date with career news through our postgraduate careers blog and Twitter feed.

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## MAKE YOUR OWN CONNECTIONS

In Manchester you're part of an international community, in a city with a history of revolutionising the world, and you'll be able to immerse yourself in the possibilities this affords. You can apply your skills by volunteering, making a difference to yourself and to others, or you can communicate your passion for your subject via our public engagement programmes. Employers who look for that 'something special' will really start to notice you.

You couldn't be in a better place to begin your life's work.



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## FIND OUT MORE

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

<http://manunicareersblog.com>

@ManPGCareers

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# **EXCEEDING EMPLOYERS' EXPECTATIONS**



## Jenny Taylor

### IBM UK Foundation Manager (Graduate, Apprenticeship and Student Schemes), IBM Bedfont Lakes

**Jenny works as the IBM UK Foundation Manager. A dedicated management organisation, Foundation is the home of the IBM UK graduate, student and apprenticeship programmes, helping to turn new recruits into professionals working across all of the company's UK business lines and brands.**

**Jenny is proud that IBM has won several external awards for its graduate programmes over the past few years; programmes that many Manchester alumni have successfully completed, securing varied roles from technological to business development.**

"We've had a strong history of recruitment from The University of Manchester for many years, including postgraduates for our graduate schemes.

"We recruit graduates who show attributes such as adaptability, teamwork and collaboration, communication, drive to succeed, creative problem solving, client focus, taking ownership and passion for our business. Successful Manchester graduates have all been energetic and creative, with a clear focus on delivering exceptional customer service.

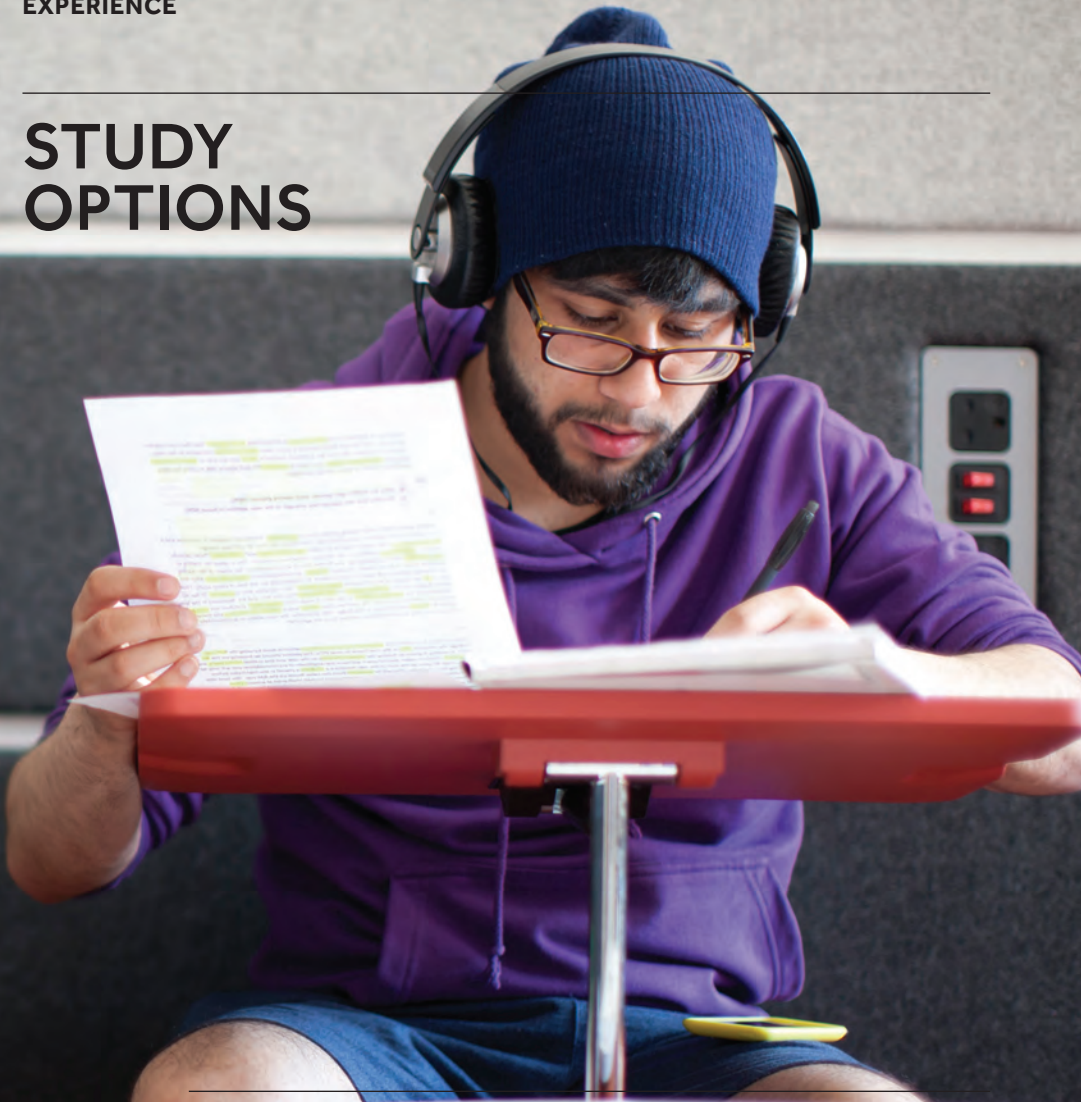
"We recruit postgraduates who present themselves as great candidates. Any extracurricular activities or work experience will add something new to your skills profile, so think about the transferable skills you are building.

"Think early about the type of employment you would like when you finish your studies and make use of Manchester's careers service activities that allow you to talk directly to employers."

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"Manchester's postgraduates are diverse individuals, which suits us, because we have such a wide variety of roles available in IBM and tailor our graduate training to individual needs."

# STUDY OPTIONS



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“The unparalleled research breadth and cutting-edge facilities here allow me to approach my PhD research in a way few labs around the world are capable of doing. I feel I am at the forefront of science and have an excellent chance to contribute something worthwhile.”

**Kevin Rich**

BBSRC Doctoral Training Partnership student



Like most potential postgraduate students, you probably have a clear idea of what subject you are interested in, but you may be less certain of the way you want to study it, and to what level.

There are two broad routes available to you as a postgraduate student: taught courses and research programmes.

## TAUGHT COURSES

**Postgraduate diplomas and certificates** – diplomas usually last nine months and certificates usually last six months. They include specialised courses, such as the Postgraduate Certificate in Education (PGCE), as well as general courses. They are either structured in a similar way to masters courses (but without the need for a dissertation), or, as with the PGCE, are specifically vocational.

**Masters degrees** – intensive taught courses with a dissertation or project, which usually last for 12 months full time, or 24 months part time (compared to two years full-time in most other countries). Our MBA lasts 18 months full time and up to five years part time. Masters degrees include the Master of Arts (MA), Master of Business Administration (MBA), Master of Education (MEd), Master of Science (MSc), Master of Law (LLM), Master of Music (MusM) and Master of Research (MRes).

Masters degrees usually involve two semesters of classes and assessed work, followed by four or five months' research, culminating in a dissertation. The balance of taught and research elements and the methods of assessment vary from course to course.

The Master of Research (MRes) is structured slightly differently and provides you with an opportunity for extensive research training and subject-specific advanced learning, with a view to proceeding to doctoral research.

## RESEARCH PROGRAMMES

We have a strong research culture and are committed to supporting our students through every stage of their research programme. As part of our researcher development strategy, we provide you with opportunities to acquire skills that complement your degree and help you to achieve your personal and career development goals. Developed on the basis of a 'personal development plan' and 'skills audit', we deliver this training on demand, to meet your individual needs.

**Research masters** – a 12-month programme including subject-specific taught course units, research skills training and a substantial research project, or series of research projects. Research masters degrees include the MSc by Research and the Master of Enterprise (MEnt).

**Master of Philosophy (MPhil)** – usually lasting 12 months and assessed by the submission and examination of a shorter thesis than that required for a PhD, setting out the results of an original, individual programme of investigational research. Where appropriate, successful completion of the MPhil (including the preparation of a detailed plan for a doctoral research project) may be followed by registration for a PhD.

**Doctor of Medicine (MD)** – a two-year research programme leading to an award in recognition of the successful completion of a programme of supervised research in any area of medicine.

**Master of Surgery (ChM)** – a two-year research programme leading to an award in recognition of the successful completion of a period of supervised research in the theory and/or practice of surgery.

**Doctor of Philosophy (PhD)** – lasting between three and four years and awarded in recognition of the successful completion of a programme of supervised research within the allocated time, the results of which show evidence of originality and independent, critical judgement and constitute an addition to knowledge. Although instructional courses may be included in the training, you spend most time undertaking independent research, with progress closely monitored throughout the period of study. Assessment is based upon an oral examination of your final thesis.

**Collaborative PhD** – provides you with the opportunity to undertake a research project with an external partner, either from another higher education institution, or from industry or commerce. Collaborative PhDs can be undertaken on a split-site basis or as a joint award. Please contact the relevant School or Faculty for further information.

**Professional, Engineering and Enterprise Doctorate programmes** – these relate to specific professional areas and incorporate a taught component. They are available in:

- Clinical Psychology (ClinPsyD)
- Education (EdD)
- Educational Psychology (DEdPsy)
- Educational and Child Psychology (DEdChPsychol)
- Engineering (EngD)
- Enterprise (EntD)
- Counselling Psychology (DCounsPsych)

**Doctor of Business Administration (DBA)** – lasting between three and four years and awarded in recognition of the successful completion of a programme of supervised research. The degree is designed to meet the needs of those people who seek advancement within a research-oriented business or government organisation, or who are or expect to be engaged in a significant amount of business consultancy work during their career.

**Centres for Doctoral Training (CDT) PhD** – a four-year integrated research degree combining taught courses with a programme of supervised research leading to the production of the doctoral research project. We offer a strong focus on interdisciplinary research to foster cutting-edge international competitive research. See pages 15 and 120 for more information on CDTs and the Manchester Doctoral College.



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## FULL TIME OR PART TIME?

While most of our students study for a postgraduate qualification on a full-time basis, you may study many of our taught courses and research programmes on a more flexible part-time basis. You can see the different modes of study available for each qualification in the taught course/research programme lists within the subject sections of this prospectus.

**If you are an international applicant from a non-EU country, you should note that the terms of entry into the UK normally prevent you from registering for a programme on a part-time basis.**

## DISTANCE LEARNING

Some of our postgraduate qualifications – mainly taught masters – are available via distance learning (also known as distributed learning, or e-learning). Distance learning allows you to progress via self-study, using printed materials and web-based resources.

We invest heavily in online and interactive technologies to allow you to connect with staff and fellow students, and enjoy the same support as you would on campus.

**In this prospectus, we have indicated which programmes can be studied via distance learning by labelling them 'DL'.**

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## SKILLS TRAINING

Studying for a postgraduate degree at The University of Manchester means more than deepening your knowledge in an academic discipline. We are dedicated to enhancing the research skills and career development of our postgraduates.

Each of our Faculties offers comprehensive skills training and development programmes that contribute not only to the quality of our research output, but also to the employability of our postgraduate students. For more details, please contact the School or Faculty you are interested in.

Our careers service also runs a range of activities dedicated to postgraduates to help you boost your career prospects while studying. See *Taking control of your career* on page 16.

## START DATES

Taught postgraduate courses and research masters have one annual intake, starting mid- to late-September each year. The MBA has an earlier start date in August.

Research programmes (MPhil and PhD) usually start in late September, although many offer points for enrolment in January, April and July.

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**“As a distance learning student, I have always felt well connected to the University. I have always been in contact with my tutors and course mates, and got clear explanation, feedback and support all the time.”**

**Işıl Boy**

MA Educational Technology and TESOL  
(distance learning)



MANCHESTER  
MADE ME

# RIISING TO THE CHALLENGE



**BROWN**

## Debbie Brown

### University of Manchester alumna and University Challenge champion 2013

Debbie helped us retain our University Challenge crown in 2013. Aside from leading us to national glory, she was busy conducting an epidemiological study of risk factors for chronic pain for her PhD. Prior to this she had worked for 11 years as a National Health Service physiotherapist, and she is now a research physiotherapist working in Oxford.

"University Challenge was tremendous fun. I wasn't expecting to win it, just to do the best that I could and enjoy it. The main preparation was practice. It's pretty pointless trying to revise questions, as what you revise never comes up! But you can practise teamwork – working out what each other's strengths and weaknesses are so that you can work better together. For me, though, it wasn't my biggest achievement at Manchester. In my second year I trained for and completed an ironman triathlon!

"Manchester offered an area of study that I was really drawn to. With research, it often depends on working with the appropriate people. If you can do that, and get the support of the department, that's the critical thing. Studying for a PhD is like being a professional researcher, but with a thesis and a viva. All the other things – data collection, analysis, writing papers, presenting at conferences – are the same as what a professional would do. It's a good apprenticeship.

"The programme taught me new skills and gave me great experiences. Learning statistical techniques and how to interpret the results was tough, but will be very useful for the future. I enjoyed collecting data – we used questionnaires but also did some physical examinations. I really enjoyed working with the participants; we met some real characters.

"Manchester has great diversity. There are people from different ethnic backgrounds and different countries, people who express their personalities in different ways, people of different sexualities – and it's all 100% accepted. I was used to living in smaller towns; I'd never lived somewhere that open before. I grew to appreciate the diversity of the city and the University."

# OUR CAMPUS

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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, cafes and common rooms where you can relax and spend time with friends. Think of it as a village within a city.

## **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.

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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.

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





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## THE MANCHESTER EXPERIENCE

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### 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

*\*The Whitworth will be closed for a £12 million refurbishment between September 2013 and June 2014.*

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“The University always had so much to offer in terms of volunteering activities, different societies, a super-active students’ union and a state-of-the-art library, as well as a crazy nightlife.”

### Parul Gupta

MSc Biotechnology and Enterprise





## SPORT, HEALTH AND FITNESS

There are so many benefits to playing sport at university: staying fit and healthy, giving your brain cells valuable downtime from study, and developing your team skills. With a variety of sports clubs and fantastic facilities, we have something for everyone.

Take part in a range of organised activities through the following programmes:

- **ACTIVE Manchester** – various health, fitness and well-being classes, with beginner sessions for those who want to try a new sport
- **Campus sport** – join 3,500 other students and play for your halls or academic department in a series of campus leagues that give beginners and recreational players the chance to play in a fun, yet competitive environment
- **Athletic Union** – 40+ sports clubs compete weekly against other universities in the British University and Colleges Sport League and Championships (where we are currently ranked in the top 10)
- **Manchester Sport Scholarship** – supporting Manchester's very best student athletes by providing both a financial award and access to support services, such as strength and conditioning, and physiotherapy

- **Sport volunteering** – gain valuable experience, achieve coaching qualifications, develop personal skills and meet new people through this scheme

Prefer to play or exercise in your own time? As a student, you are entitled to discounted fees and memberships at any of the following sports facilities:

- **Armitage Centre** – a large fitness suite facility with free weights area and spacious environment to workout, an indoor sports hall, a multi-activity room and a variety of drop-in fitness classes
- **Sugden Sports Centre** – fantastic fitness suite facilities, workout classes and various indoor sports in two double-sized sports halls, at the heart of the campus
- **Manchester Aquatics Centre** – fitness suite, workout classes and two 50-metre swimming pools, built for the 2002 Commonwealth Games, plus other mixed leisure facilities
- **Wythenshawe Sports Ground** – 27 full-size pitches covering 90 acres – one of the biggest UK facilities dedicated to football

We also have close links to many of Manchester's 2002 Commonwealth Games facilities, including the Manchester Velodrome, a regional tennis centre, the National Squash Centre, a regional athletics centre and the City of Manchester Stadium.

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



THE MANCHESTER  
EXPERIENCE





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## THE STUDENTS' UNION

At the centre of our campus, student life is amplified in your Students' Union. This accessible, democratic, student-led space is the largest of its kind in the UK and provides everything you need to get the most out of your time at university.

**Activities** – with more than 300 societies, the Union hosts a diverse range of student-led activities. Representing the interests of around 10,000 postgraduates, the official Postgrad Society celebrates the vast diversity that they bring to the University.

Campaigns tackle a vast range of issues, from campus security to international human rights. Student media provides opportunities to try your hand at print, radio and visual media, and you can get involved in fundraising, volunteering, event planning, publicity, or marketing.

**Student voice** – your Union aims to take your voice to the University at every level. Postgraduate student representatives are in each Faculty, ensuring that everyone can make their voice heard, either through their rep, or by standing to represent others themselves.

Students are the decision-makers at the Union, and four times a year we hold open assemblies to discuss the ideas that students submit.

**Advice** – the Union complements our university's provision of support and welfare services. Our advice service is staffed by professional advisers. Students often seek advice about academic or personal issues. You can also receive financial advice regarding student finance, benefits and general hardship.

**Shops and venues** – whether it's a quick sandwich from the Grab and Go, a sit-down meal at the Union Bar, or a Fairtrade latte from Biko's Cafe, your Union has a range of food and drink to suit all tastes and budgets, and is the ideal place to meet up with friends. You can also visit one of four music venues – the Academy 1, 2, 3 and Club – to see touring bands from the UK and around the world. Since we're a registered charity, all the proceeds from sales go towards providing and improving what the Union offers. It also employs hundreds of student staff to work in the cafe and bar, and look after the helpdesk.

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

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## SUSTAINABILITY

We take sustainability seriously at Manchester, with a target of cutting our absolute carbon footprint by at least 40% by 2020 from a 2009 baseline of 85,419 tonnes of CO<sub>2</sub>.

Our award-winning environmental practices include comprehensive, cross-campus recycling facilities and the monitoring of energy usage. All new buildings are constructed to maximise efficiency, while campus shops and cafes stock Fairtrade products.

The University bus route is now serviced by four brand new, state-of-the-art hybrid buses which switch off when stationary and travel in electric mode at low speeds.

### FIND OUT MORE

This prospectus can only offer you a taste of what you can find at Manchester – why not visit us to see for yourself why we believe that we offer so much more than the average university campus?

You could sign up for one of our University open days, or take your own trip around the grounds and soak up the atmosphere at one of the many cafes, bars and restaurants on campus. Use our campus map on pages 138 to 139 to get your bearings.

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### FIND OUT MORE ONLINE:

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

THE MANCHESTER  
EXPERIENCE

# THE CITY OF MANCHESTER



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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.'

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.

## 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.

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.

## SPORT

Coming first is second nature in Manchester. It's long been synonymous with football thanks to Manchester United and Manchester City, but there is much more to discover here.

National and international cricket are contested at Lancashire Cricket Club, just outside the city centre. There are also many rugby league and union clubs near Manchester.

The all-conquering British cycling team train at Sportcity, home of Britain's first indoor Olympic cycling track, which you can try out for yourself. Major squash, tennis and netball events also take place here.

You can learn to ski, snowboard or climb at the world's largest indoor ski slope, go swimming at the Manchester Aquatics Centre or sign up for the annual Great Manchester Run, the nation's favourite 10k running event.

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**“The diversity of the people, the culture and the social scene away from the University really make Manchester a great place to live. And, especially in comparison to London, it's very reasonably priced.”**

**Karl Collins**  
PhD Organic Chemistry



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## THE MANCHESTER EXPERIENCE

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### 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.

### 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.

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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.

### 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.

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**"I you want to try something new, Manchester probably has it."**

**Peter Llewellyn**  
MSc Biochemistry





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“Don’t talk about what you are going to do, do it.  
That is the Manchester habit. And in the past through  
the manifestation of this quality, the word Manchester  
became a synonym for energy and freedom and the  
right to do and to think without shackles.”

**Sir Edward Abbott Parry**

Judge and dramatist (1912)



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#### 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)

# ACCOMMODATION

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We do everything we can to help all our new students find somewhere to live where they'll feel right at home. Whether you prefer University halls of residence, or private housing, as a Manchester postgraduate you have a huge choice of accommodation.

We offer:

- more spaces in University-managed accommodation than virtually any other university in the country;
- extensive choice of styles of housing and locations;
- the option of postgraduate-only University accommodation;
- guaranteed University accommodation for international (non-EU) students throughout your studies (subject to conditions).

## UNIVERSITY ACCOMMODATION

At The University of Manchester we manage approximately 8,200 rooms for student accommodation, almost all of which are based within two miles (three kilometres) of our campus. We reserve some residences exclusively for postgraduates; in others we house graduate students together.

You'll find housing options to suit all tastes, from modern, self-catering flats, to traditional, smaller, catered halls of residence. Both single and mixed gender accommodation are available, and there is the choice of en suite or standard facilities.

We offer some specially adapted rooms for students with disabilities, and have a limited supply of family and partner accommodation. With the exception of some family accommodation, all our rooms are connected to the Internet.

## COSTS

Accommodation costs vary, depending on facilities, in 2013/14 representative costs range from:

- £98 per week for a single self-catering room with shared facilities (Whitworth Park)
- £126 per week for a single self-catering room with en suite facilities (George Kenyon)
- £114 per week for a single room with shared facilities in a catered hall (Ashburne Hall)

## INTERNATIONAL STUDENTS GUARANTEE

If you are based outside of the EU, you are guaranteed an offer of a place in one of our halls of residence for the full duration of your course, provided you:

- come to university alone;
- firmly accept a place here by 31 August of your year of entry;
- apply for accommodation by 31 August;
- re-apply for accommodation in subsequent years by the due deadline and for the full academic session.

If your application falls outside the conditions of the guarantee, you are still welcome to apply for University accommodation; however, please note that the offer of a room may not be available to you immediately.



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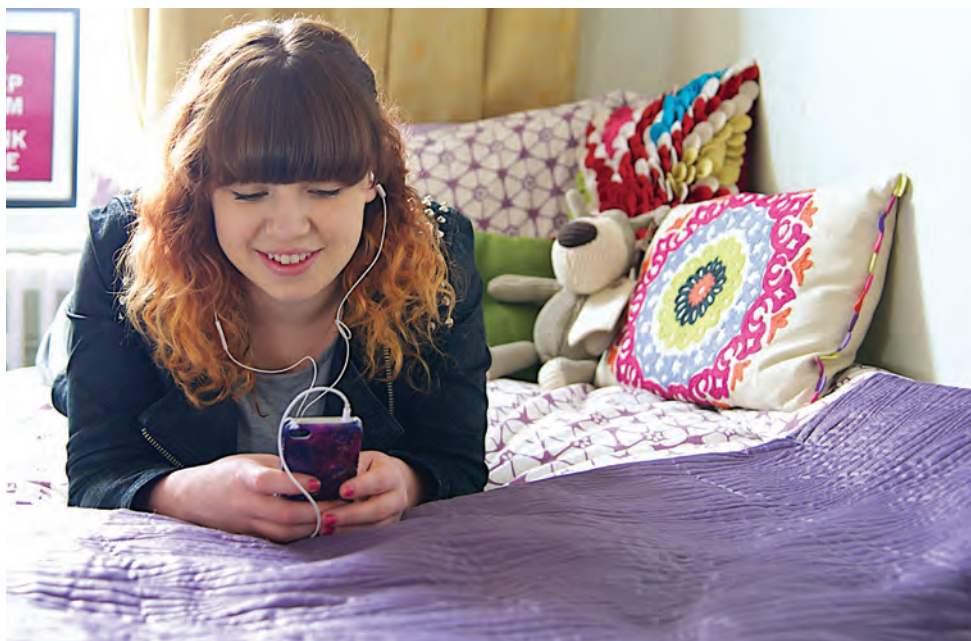
## PRIVATE ACCOMMODATION

Manchester has plenty of private accommodation for rent. You can get information about properties available, plus more general housing advice, from Manchester Student Homes. Owned jointly by the Manchester universities, this is the city's only housing bureau that advertises University-approved accommodation.

“Accommodation is fairly cheap in Manchester, and where I live there is a very reliable transport network.”

**Nhamo Chaukura**

PhD Materials Chemistry



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## FIND OUT MORE

**Contact our Accommodation Office:**  
tel +44 (0)161 275 2888  
[accommodation@manchester.ac.uk](mailto:accommodation@manchester.ac.uk)  
[www.manchester.ac.uk/accommodation](http://www.manchester.ac.uk/accommodation)

**Contact Manchester Student Homes:**  
tel +44 (0)161 275 7680  
[manchesterstudenthomes@manchester.ac.uk](mailto:manchesterstudenthomes@manchester.ac.uk)  
[www.manchesterstudenthomes.com](http://www.manchesterstudenthomes.com)

# SUPPORT

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Get all the academic, personal and professional assistance you need via our range of student support services.

Whatever the issue – financial, academic, personal, or administrative – we have experienced and sympathetic people, support groups and advice services to help you.

## FUNDING AND FINANCE

Find out more about tuition fees and student finance, including international fees, payment options, cost of living and managing debt:

[www.manchester.ac.uk/pg/fees](http://www.manchester.ac.uk/pg/fees)  
[www.manchester.ac.uk/pg/funding](http://www.manchester.ac.uk/pg/funding)

## CHILDCARE

Two centres are associated with our University for children between six months and five years of age: Dryden Street Nursery and Echoes Nursery.

## RELIGIOUS SUPPORT

There are two chaplaincy centres for the major Christian churches. St Peter's House provides chaplains for the Anglican, Baptist, Methodist and United Reformed churches and also has contacts with other Christian churches and other faith communities. The Roman Catholic Chaplaincy is at Avila House. There are prayer facilities on campus for Muslim students and student societies for many religions.

## DISABILITY SUPPORT

If you have any particular needs arising from a medical condition, a mental health difficulty, a physical or sensory disability, or a specific learning difficulty such as dyslexia or dyspraxia, we encourage you to contact our Disability Support Office as early as possible to discuss your needs, any arrangements that may be necessary and what support we can offer.

[www.manchester.ac.uk/dso](http://www.manchester.ac.uk/dso)  
tel +44 (0)161 275 7512  
text +44 (0) 79899 658 790  
[dso@manchester.ac.uk](mailto:dso@manchester.ac.uk)

## THE UNIVERSITY OF MANCHESTER ALUMNI ASSOCIATION

When you join The University of Manchester, you join a vibrant, global University whose networks are available to you both as a student and after as a graduate. In fact, we have the largest alumni body of any UK campus-based university, with over a quarter of a million alumni worldwide.

The Alumni Association, which you automatically join upon graduation, will continue to add value to your degree by providing opportunities to connect with fellow alumni socially, keep updated on groundbreaking research and Manchester's global impact, continue to develop your CV through new learning opportunities and career-focussed events and initiatives, and generally keep in touch. You will even be invited to make a difference to the lives of current students through mentoring and other volunteering opportunities.

[www.manchester.ac.uk/alumni](http://www.manchester.ac.uk/alumni)  
tel +44 (0)161 306 3066  
[alumni@manchester.ac.uk](mailto:alumni@manchester.ac.uk)

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## FIND OUT MORE

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

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## INTERNATIONAL STUDENT SUPPORT

As an international student, you can be sure of a warm welcome at The University of Manchester. This year, around 11,500 students from more than 180 countries are studying with us.

### Settling in

Arriving in a new country is an exciting time, but we know that it can also be a daunting prospect. To help you feel welcome and settle in quickly at Manchester, we offer a number of services tailored to the needs of international students, including:

**Arrival Guide** – before you arrive in Manchester, we will send you this in-depth publication containing useful advice and information to help you make your preparations for coming to Manchester.

**University shuttle service to residences** (available in September) – we provide a warm welcome when you arrive at Manchester Airport and transport you, free of charge, to your accommodation.

**Orientation programme** – our practical orientation presentations and workshops cover everything from finding your way around to using public transport, buying essential items and opening bank accounts.

In addition, our Welcome Week and orientation social events help you to make new friends, settle into your new life and relax a little before your studies begin. For more information about our orientation and welcome services, visit:

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

### International student societies

Our University has many student societies, including a variety run by and for specific international student groups. These are a great way to socialise and get involved in activities outside of your studies.

In addition, the International Society, based on campus, organises a comprehensive social and cultural programme for all students in Manchester.

[www.internationalsociety.org.uk](http://www.internationalsociety.org.uk)

### International advice team

Our range of support for international students includes a dedicated International Advice Team, who can provide assistance on any issues you may have during your time with us, including visa advice or working in the UK.

Contact the team via email: [iat@manchester.ac.uk](mailto:iat@manchester.ac.uk)

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“I am a member of the International Society, which has a lot going on for international students, like trips to different places in the UK and cultural evenings. The Society also sends us regular emails, which ensure we stay abreast of social issues, and keep us entertained and informed. The Student Services Centre is also brilliant. You can always drop in and your query will be answered.”

**Olive Sabiiti**  
PhD Law




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MANCHESTER  
MADE ME

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A NEW HOME,  
A NEW CAREER



## Moyin Kwok International Recruitment Assistant, Student Recruitment and International Development

Moyin works in the Directorate for the Student Experience, a placement she won through our Manchester Graduate Internship Programme. She came to Manchester from Hong Kong to study for a masters in Arts Management, Policy and Practice, and is shortly to take up a marketing role in our Faculty of Life Sciences.

"A big focus of my masters was on networking and getting to know organisations in the local cultural scene. I'm particularly lucky because I got a placement at the Whitworth Art Gallery working directly under the Head of Development, who gave me many chances to meet people from different organisations. Local practitioners from the Arts Council were also on the course, which was a sign of confidence in the course in terms of employability and practicality.

"I chose Manchester because it's a vibrant, affordable city. I had offers from institutions in London, but some of my friends from Hong Kong who had done similar programmes there felt it's too busy a city and it took some time to get used to life there. I love Manchester's Chinatown – I can get Cantonese food there that's sometimes better than I would get in Hong Kong!

"Manchester should be really proud of its cultural diversity and inclusivity. The local friends I've made are so warm and welcoming – they even made me a cake for my birthday – as are the staff and students whom I've studied and worked with. I think this is really special and something that you don't get elsewhere.

"The careers service really helped me with writing applications and refining my job search. I consulted them when I began applying for placements through the Manchester Graduate Internship Programme, and I think this helped me get a high number of interviews. Soon I'll be joining the Faculty of Life Sciences to work on international marketing. I feel like I'm realising my dreams."

"The volunteering and placement opportunities are so wide here. I was in a good position – as my tutors and mentors were based in the arts and cultural sector, they were very happy to open doors for us."



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# ADMISSIONS



At Manchester we do all we can to help you prepare for your time here. We also make sure that you are supported throughout your studies, letting you focus on fulfilling your potential.



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# ENGLISH LANGUAGE REQUIREMENTS AND SUPPORT

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An ability to communicate effectively in English is vital to your academic performance and progress at our University. If you are not a native speaker of English, you will need a high level of fluency in the English language to make the best of your learning opportunities here in Manchester. Improving your English language will also be a valuable long-term skill that may enhance your job prospects.

## **SPECIFIC REQUIREMENTS**

For most international students who have not achieved a grade C or above in GCSE, IGCSE, or O-level English, you must demonstrate your English proficiency through a secure and approved testing system, such as IELTS, TOEFL, Pearson, or Cambridge ESOL.

These internationally recognised assessments of English language proficiency are designed to determine the ability of non-native speakers of English who intend to study or train in English.

IELTS, for example, is accepted by most British, Australian, Canadian and New Zealand academic institutions. It is also accepted by many professional organisations, such as the UK General Medical Council. Minimum requirements vary across postgraduate courses. It is important that you check with your prospective School for the English language requirements for your intended course.

For information on specific language requirements for individual courses, see the course listings on our University website.

We do accept some other testing systems for individual countries. Find information on these by visiting your country page on our international website ([www.manchester.ac.uk/international](http://www.manchester.ac.uk/international)), or by contacting our International Office.

The table opposite shows some common English language tests that we accept at the University. Please note that some secure English language tests such as IELTS expire after two years, and that your certificate must be in date at the time you plan to start your intended course. If your certificate is due to expire before then, you should retake the test.

To identify a suitable testing centre in your home country for IELTS or TOEFL, please contact your local British Council office. Alternatively, you can find information from the following websites:

[www.ielts.org](http://www.ielts.org)  
[www.ets.org](http://www.ets.org) (for information on TOEFL)

## **ENGLISH LANGUAGE SUPPORT**

Our University Language Centre (ULC) has over 30 years' experience of running English language courses for our international students. These courses are accredited by the British Council. The ULC is an IELTS testing centre and its pre-sessional courses are accredited by BALEAP (British Association of Lecturers in English for Academic Purposes).

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

**Common English language tests accepted by The University of Manchester**

IELTS	TOEFL	Pearson	Cambridge ESOL	
	Internet based	PTE	CAE	CPE
7.5–9.0	109–120	74+	A	C
7.0	100	66–73	B	C
6.5	90	59–65	C	C
6.0	80	52–58	C	C
5.5	72	51	C	C

**FIND OUT MORE**

Contact our International Office:  
[www.manchester.ac.uk/international](http://www.manchester.ac.uk/international)  
[international@manchester.ac.uk](mailto:international@manchester.ac.uk)

Contact the University Language Centre  
[www.manchester.ac.uk/langcent](http://www.manchester.ac.uk/langcent)  
[englang@manchester.ac.uk](mailto:englang@manchester.ac.uk)

# FINANCE

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Checking what's included in your tuition fees, investigating potential sources of funding and being aware of likely expenses and what your likely outgoings will be will all help you to manage your budget while you study.

## TUITION FEES

University tuition fees cover the cost of your study with us, as well as charges for registration, tuition, supervision, examinations and graduation. They also entitle you to membership of our libraries, the Students' Union and the Athletic Union.

Tuition fees vary and may be dependent on the type of subject being studied.

For all our current tuition fees, and further information relating to the fees due for individual programmes of study, visit our website:

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

## FUNDING

You can either pay all your own tuition fees and living costs, or you can seek whole or partial funding from various sources.

### External funding

The University of Manchester attracts substantial external funding. It is essential that you start thinking about how to fund your postgraduate studies as early as possible, since many funding bodies have strict deadlines. Most funding bodies require you to hold at least a provisional offer of a place before applying for a studentship.

You may also wish to consult *The Alternative Guide to Postgraduate Funding*, published annually by GradFunding, an independent company set up by two UK-based PhD students. If you are a current student, you may be able to access this publication free of charge through your university's subscription.

### University funding

#### President's Doctoral Scholar (PDS) Awards

Launched in 2011, these doctoral funding awards are strongly supported by our President and Vice-Chancellor, Professor Dame Nancy Rothwell. We offer more than 100 elite studentships each year, underpinned by an investment of £2.5 million over four years. PDS Awards give the most outstanding students support to further their research training with prominent academics across all our subjects. For more information, visit:

[www.mdc.manchester.ac.uk/funding/pdsaward](http://www.mdc.manchester.ac.uk/funding/pdsaward)

See page 15 to find out more about our Manchester Doctoral College, and page 120 for a profile of one of our PDS students.

#### School and Faculty awards

Some of our Schools and Faculties have funds for postgraduate students. Contact the School or Faculty that you are thinking of applying to for further details of any available funding.



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### Equity and Merit Scholarships for students from developing countries

Equity and Merit Scholarships aim to assist talented but economically disadvantaged students from some of the world's poorest countries. The scholarships are jointly funded by the University and our alumni. We waive the tuition fee in full and the generosity of alumni covers students' living costs and flights to the UK.

Scholarships are available for students to undertake postgraduate masters degrees that are not available in their home country and which are intended to fill a particular skills gap. Awards are also available for study by distance learning. For more information, visit:

[www.manchester.ac.uk/international/finance/equity-and-merit](http://www.manchester.ac.uk/international/finance/equity-and-merit)

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“The Equity and Merit Scholarship covers my tuition fees and living expenses. It is awarded to exceptional students from developing countries; the education will enable them to make great contributions to their countries. It has been a very precious gift for me because without the award, I would not be studying at this great institution.”

**Ann Auma**

MA Immunology and Immunogenetics

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### COST OF LIVING

Relative to other UK cities, Manchester is an affordable place to live; we consistently rate highly in student living surveys. This is something to bear in mind as you calculate the cost of essentials such as accommodation, food and books.

Estimated postgraduate living expenses, per postgraduate year (51 weeks)*	
Accommodation (average cost for self-catering hall)	£5,145
Meals	£1,965
Transport	£665
Books and stationery (depending on your course, and if you buy new or second-hand)	£490
Clothes (including provision of warm clothing and footwear)	£490
Other expenses (e.g. entertainment, sport, photocopying, phone calls, etc)	£1,875
<b>TOTAL</b>	<b>£10,630</b>
<i>*This table presents approximate costs for the 2013/14 academic year.</i>	

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# HOW TO APPLY

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We aim to make the application process for all our degrees as straightforward as possible, with comprehensive information and sources of support available to you. You can apply online for our taught and research degrees at:

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

In some overseas countries we have a network of educational consultants who can assist you with preparing and submitting your application. Visit the relevant country page in the international section of our website at:

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

Admission to our postgraduate courses and programmes is governed by our Student Admissions Policy. You can find this on our website:

[www.manchester.ac.uk/pg/howtoapply/policies](http://www.manchester.ac.uk/pg/howtoapply/policies)

## ENTRY REQUIREMENTS

The qualifications, skills and qualities needed for postgraduate study at Manchester vary from School to School. Use the *Find out more* sections in this prospectus to discover the relevant information for your chosen degree programme.

We recognise many different qualifications from around the world. For details of international entry requirements and equivalencies, visit:

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

We also require a high standard of English for all our courses, to ensure that you get the most from your studies. See page 44 for details.

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## DISABILITY SUPPORT / APPLICANTS WITH ADDITIONAL SUPPORT NEEDS

We welcome applications from anyone who has additional support needs as a result of a long-term medical condition, mental health difficulty, disability, or specific learning difficulty, such as dyslexia or dyspraxia. All such applications are considered on exactly the same academic grounds as other applications.

We welcome applications from people with additional support needs. If you need support with the application process, or to discuss support that would be available if you became a student here, our Disability Support Office will be pleased to help.

If you are an international applicant and you have personal care needs, then you will need to discuss your support needs with the Disability Support Office in advance of coming to the University. You will need to have sufficient funding available to support you, including the cost of any personal care that you might need.

See page 38 for information on disability support.

## EQUALITY AND DIVERSITY

We are firmly committed to providing a positive learning environment that is free from discrimination, harassment and bullying, where all students are treated with respect and dignity.

Visit our website for more detailed information:

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







Our complete list of postgraduate subject areas and degree programmes is set out in the following pages.

Please note that all information is correct at the time of going to print. However, we aim to keep our study programmes as current as possible, which means some changes may be made at a later date.

Check our website for the most up-to-date information before applying, or use the contact details for the relevant subject areas to find out more.

We use the following abbreviations throughout the pages that follow:

DL: distance learning

FT: full time

PT: part time

RAE: Research Assessment Exercise

For a full index of courses and programmes see page 130.

# AEROSPACE ENGINEERING

## WHY MANCHESTER?

**Highly rated for research**

**World-class facilities**

**Alumni in top jobs in industry  
and research**

**RAE 4\*20% 3\*50% 2\*30%  
1\*0%**

The School of Mechanical, Aerospace and Civil Engineering is one of Europe's leading schools of engineering. Our diverse and truly international community creates a stimulating and challenging learning environment that produces world-class professionals and achieves outstanding standards in research. We rank third in the UK for research power and our combined record of excellence is among the strongest in the country.

The School has a long and unique tradition in aerospace design, helicopters, heat transfer, aerodynamics, computational fluid dynamics and fluid diagnostics. Our Aerospace MSc course exploits and builds on those strengths, recognising particular combinations of subjects that are unique to our

University. You will benefit from our strong links with BAE Systems, Airbus, Rolls-Royce, DSTL, USAF, Northwest Aerospace Alliance, SBAC and others.

Dedicated research themes include: Aerospace; Bio-Engineering; Bioenergy and Biomass; Climate Change; Dating of Fired Clay Ceramics RHX; Infrastructure; Innovative Manufacturing; Management of Projects; Modelling and Simulation; Nuclear and Offshore Renewable Energy. The Aerospace Research Group undertakes research directly relevant to the aerospace industry and of a quite fundamental nature.

On top of this, we have expert groups focusing on research activity in the following areas: Advanced Flow Diagnostics and Instrumentation; Bioengineering; Built Environment; Coastal Processes; Computational Fluid Dynamics; Construction Science; Dynamics and Aeroelasticity; Energy and Multiphysics; Experimental Aerodynamics; Geo-Engineering; Impact and Explosion; Management of Projects; Marine Energy; Nuclear Graphite; Reliability, Availability, Maintenance and Safety; Smoothed Particle Hydrodynamics; Structures and Fire; and Turbulence Mechanics.

Manchester has a distinguished history in turbulence modelling (from Osborne Reynolds to Brian Launder), and also in fluids (e.g. Lamb and Goldstein), reflected in aerodynamics and heat transfer

research today, coupled with computational fluid dynamics allied to interests in dynamics, composite structures and aeroelasticity.

## FIND OUT MORE...

[www.manchester.ac.uk/mace](http://www.manchester.ac.uk/mace)  
[pg-mace@manchester.ac.uk](mailto:pg-mace@manchester.ac.uk)  
+44 (0)161 306 9219

## TAUGHT COURSES

**Aerospace Engineering MSc**  
FT

## RESEARCH PROGRAMMES

**Aerospace Engineering**  
**PhD / MPhil**  
FT/PT

**Aerospace Engineering**  
**MSc by Research**  
FT

**Mechanical, Aerospace**  
**and Civil Engineering EngD**  
FT

*Our programmes are currently under review. Please check our website for up-to-date information.*

# ARCHAEOLOGY

## WHY MANCHESTER?

**Close relationship between our primary research and postgraduate courses**

**Stimulating and exciting study environment**

**Internationally recognised centre for social archaeology**

**RAE 4\*15% 3\*45% 2\*30% 1\*10%**

Our vibrant research at Manchester is characterised by several themes: identity, such as gender, ethnicity, religion and sexual politics; place, landscape and monumentality; history, theory and philosophy of archaeology; technology and society; social complexity and the development of state-organised societies; and archaeological heritage and the social significance of the past.

We address these themes in relation to various periods and regions, for example: prehistory in Britain and Western Europe (the Mesolithic, Neolithic, and Iron Age); Near Eastern archaeology; Mediterranean archaeology (Bronze Age, Greek and Roman periods); African archaeology; Pacific archaeology; and the historical archaeology of Australia, the USA and Britain.

We are also known for our diverse and innovative fieldwork methods, ranging from survey and excavation to oral history, ethnography and ethnoarchaeology. Our publications reflect our outstanding research profile, with 63% rated either 'world-leading' or 'internationally excellent' in the 2008 RAE.

We encourage you to engage with the latest results from our projects, and to play a full and active part in academic life. We run an archaeology research seminar series, and our students run a postgraduate discussion forum. Our technician supports postgraduate field research, providing training and advice on the use of equipment and fieldwork methods. We also have excellent links with the University's Manchester Museum, where you can benefit from collection-based research and staff who advise on museological and conservation issues.

PhD students have access to working space in a large open-plan office. This dedicated space provides computer facilities, shelving space, and an interdisciplinary collegiate atmosphere. MA students have a shared working space in our building, as well as access to working areas in the University Library.

Archaeology also has strong links with the interdisciplinary research forum, Chimera (Cultural Heritage, Identity and Memory Research Area), which brings together the University's internationally renowned research in this area

and provides a supervision network for postgraduate students. We are also involved in supervising research in museum archaeology through co-supervision with colleagues in the Institute for Cultural Practices.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Archaeology MA**  
FT/PT

## RESEARCH PROGRAMMES

**Archaeology PhD**  
FT/PT

# ARCHITECTURE

## WHY MANCHESTER?

**Access to a huge range of resources and facilities from two institutions**

**Contemporary, interdisciplinary approaches**

**Custom-built, brand new teaching facilities and workshops opened 2013**

**RAE 4\*40% 3\*40% 2\*15% 1\*5%**

The Manchester School of Architecture (MSA) is a collaboration between The University of Manchester and Manchester Metropolitan University. You can therefore draw on the facilities and resources of both institutions. Respected and experienced researchers and lecturers, across an impressive range of fields, represent numerous exciting and innovative avenues for creative collaboration, consultation and experiment.

PhD research revolves around our Manchester Architecture Research Centre (MARC), where research focuses on the co-evolution of design and

development strategies and the socioeconomic processes shaping architecture and cities. We aim to develop and apply interdisciplinary approaches to architecture and urban development, and engage with contemporary practice in a global context.

Our interdisciplinary PhD programme is open to students interested in any aspect of architectural research, including sustainable urbanism, urban design and development, ecological and landscape design, and the conservation and management of historic environments. We also encourage proposals for research by design.

The MA in Architecture and Urbanism reflects the superb research capabilities of the School whereby internationally recognised researchers from MARC input directly into the graduate teaching. MARC is an internationally renowned, multidisciplinary research team based at the University; our staff here are leading researchers in a variety of affiliated fields of study; they offer an impressive interdisciplinary context for architectural research at MSA.

The Master of Architecture (MArch) is for students who have completed the BA (Hons) Architecture course and typically a year in practice. The course comprises studio-based working (with integrated technology), a dissertation and professional studies. The studio course is delivered through research-driven

clusters called ateliers, which align strong areas of research activity and mutual interests via trios of staff. This enables you to develop ideological positions that are critically underpinned through seminars, workshops and symposiums to enhance your knowledge and skills. This course satisfies the ARB/RIBA criteria for approval and thus provides exemption from Part 2.

## FIND OUT MORE...

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

[www.msa.ac.uk](http://www.msa.ac.uk)

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

+44 (0)161 275 0969

## TAUGHT COURSES

**Architecture and Urbanism MA**  
FT/PT

**Master of Architecture MArch (ARB/RIBA Part 2)**  
FT/PT

## RESEARCH PROGRAMMES

**Architecture MPhil/PhD**  
FT/PT

*See also Planning and Environmental Management p117.*



# ART HISTORY AND VISUAL STUDIES

## WHY MANCHESTER?

**Rated fourth in the country in the last RAE**

**Access to extensive library and museum facilities**

**Close collaboration with an award-winning art gallery**

**Innovative teaching with world-leading researchers**

**RAE 4\*40% 3\*40% 2\*15% 1\*5%**

Our postgraduate programmes draw on the expertise of academic staff covering art history from the Middle Ages to the present day. We are noted for our strong interdisciplinary orientation, with particular strengths in modern and contemporary art, architectural history, museum studies, and the intersections of art and science. You will benefit from a vibrant and stimulating research culture.

Students have access to superb resources, including: the outstanding holdings of our Whitworth Art Gallery in fine and applied art; a renowned collection of medieval illuminated books in the John Rylands Library, the Egyptian and Classical antiquities of the Manchester Museum; and further major gallery and museum collections within the city and region.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Art History MA**  
FT/PT

## RESEARCH PROGRAMMES

**Art History and Visual Studies PhD**  
FT/PT

# ARTS MANAGEMENT AND CULTURAL POLICY

## WHY MANCHESTER?

**UK's only teaching, knowledge exchange and research centre for arts and cultural managers**

**Staff active in academic research, professional development training and consultancy**

**More than 50 active partnerships with cultural agencies and organisations**

Our Centre for Arts Management and Cultural Policy (CAMP) provides an axis for engagement, collaboration and partnership between arts and cultural managers, sector organisations and higher education, as part of the Institute for Cultural Practices. We work closely with our sister centres and programmes – Museology, Music, Drama, Applied Theatre, Screen Studies and New Writing – to forge a base for teaching, research, knowledge transfer and professional development relevant to professionals working in all areas of the arts.

Our MA Arts Management, Policy and Practice brings together theory and application of methods for those working in many areas of practice – including policy-making, strategic management and leadership, finance and resource

development, marketing, engagement, education, research and evaluation – both within cultural institutions and in other settings, such as community, education, public engagement and health.

CAMP has partnerships with many arts and cultural providers, inviting their contribution through guest lectures, site visits and masterclasses, and offering postgraduate students placements and practice-based research in world-class venues and institutions across the region's creative and cultural industries.

The Centre also convenes: a Masters in Enterprise (MEnt) Arts and Cultural Management (with the Manchester Enterprise Centre), a supervised research route to business development with professional mentoring; a Professional Doctorate in Arts and Cultural Management, a structured programme of doctoral research based in professional practice for arts managers in the UK; and a PhD in Arts Management and Cultural Policy, a traditional doctoral research programme with a research panel drawing on the wealth of expertise in core academic and affiliated staff.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Arts Management, Policy and Practice MA**  
FT/PT

## RESEARCH PROGRAMMES

**Arts and Cultural Management MEnt**  
FT/PT

**Arts and Cultural Management Professional Doctorate**  
FT/PT

**Arts Management and Cultural Policy PhD**  
FT/PT

# AUDIOLOGY

## WHY MANCHESTER?

**UK leaders in translational and applied research, resulting in improved services and quality of life for hearing impaired individuals**

**Advanced training at masters level**

**Professional training in distinctive areas, such as paediatric audiology and audiology assessment**

Audiology postgraduate training at Manchester allows you to apply your scientific background to improved diagnosis and well-being of individuals with hearing and balance disorders. Audiologists not only assess such disorders, but are also responsible for their management, which may include counselling, fitting of hearing devices (including electrical implants), and implementation of specialised exercises and repositioning manoeuvres for those with balance dysfunction.

Our extensive portfolio of education and training includes professional development courses in areas as diverse as auditory science, paediatric audiology and vestibular assessment (all accredited by the British Academy of Audiology). These are ideally suited for registered audiologists, hearing therapists and others wishing to further their knowledge and link theory with contemporary practice. We offer diploma and masters training within deaf education,

providing support for qualified teachers with an evidence-based approach to meeting the diverse needs of deaf children.

Our MSc in Audiology provides the theoretical, practical and clinical basis of the science of audiology. They contain two short clinical placements in National Health Service audiology departments in the north west of England. Our post-registration MSc/PGDip/PGCert in Advanced Audiology Studies includes a range of course units geared towards health professionals to provide a broad understanding of how audiology services interact with allied health sciences such as speech and language therapy.

We are one of only two providers awarded Department of Health (DH) funding to run the Scientist Training Programme, MSc in Clinical Science (Neurosensory Sciences): a scheme within the Modernising Scientific Careers framework, a UK-wide education and training strategy for the whole healthcare science workforce in the National Health Service and associated bodies.

PhD research benefits from our outstanding reputation in enhancing audiology services, an area in which we are a recognised UK leader. Our Medical Research Council-supported Newborn Hearing Screening Programme and DH-funded Modernising Children's Hearing Aid Services provide unique opportunities to influence UK policy and practice. We are now seeking to develop technological improvements in

hearing devices, employ neural imaging techniques to examine auditory system function and plasticity, and develop better diagnostics and intervention tools.

We support authorship on eminent publications, presentation at conferences and engagement with the wider community during PhD training, to improve your skills development and career prospects. Our education and research provides opportunities to progress into leading roles within the National Health Service and independent sector. Many of our graduates remain in academia by securing fellowships or progressing into lectureships.

## FIND OUT MORE...

[www.manchester.ac.uk/psych-sci/audiologyanddeafness](http://www.manchester.ac.uk/psych-sci/audiologyanddeafness)  
[pg-psychology@manchester.ac.uk](mailto:pg-psychology@manchester.ac.uk)  
 +44 (0)161 275 8281

## TAUGHT COURSES

**Audiology MSc**  
FT

**Advanced Audiology Studies MSc/PGDip**  
FT/PT

**Deaf Education MSc**  
PT/DL

**Deaf Education PGDip**  
FT/PT/DL

## RESEARCH PROGRAMMES

**Audiology MPhil/PhD**  
FT/PT

**Speech and Language Therapy MPhil/PhD FT**

*See also Psychological Sciences p119*

# BUSINESS

*See Manchester Business School p94 and Economics p72*

## CHEMICAL ENGINEERING AND ANALYTICAL SCIENCE

### WHY MANCHESTER?

**World-leading, industrially relevant research and teaching**

**State-of-the-art facilities**

**Graduates in high demand**

**Wide range of programmes for students from many backgrounds**

**RAE 4\*20% 3\*45% 2\*35% 1\*0%**

Chemical Engineering and Analytical Science at Manchester is a world leader in industrially relevant research and teaching that brings together a diverse range of disciplines focused on science and technology for the process industries. World-renowned, we have an excellent reputation among employers for the high calibre of our graduates.

We are unique in the UK thanks to our breadth of disciplines, including chemical engineering, bioscience, physics, chemistry, mathematics and analytical and measurement science. Our School is a vibrant and stimulating environment in which to study and gives our students experience of an interdisciplinary environment, which is highly valued by industry worldwide. Employers know that our courses are academically challenging and our graduates are top class – that is why they will be so keen to employ you.

Our innovative teaching style and state-of-the-art facilities will help to make your experience as a postgraduate student hugely enjoyable. You can benefit from using equipment such as high-tech monitoring and measuring devices, advanced computing and industrial-scale process plant test rigs. In 2012, our School moved to a brand-new, £12 million teaching building, housing state-of-the-art

computer clusters, teaching laboratories, a bespoke enquiry-based-learning suite and a new pilot hall designed for chemical engineering in the 21st century.

You will have even greater access to expertise and facilities through our University's research institutes, such as the Manchester Interdisciplinary Biocentre and the Photon Science Institute.

Taught courses are strongly informed by our leading-edge research and have been designed with input from world-renowned academics and the innovators and managers of prestigious international companies.

Our research groups are: Biorefinery Engineering, Complex Chemical and Biological Systems, Energy, Instrumentation and Analytical Science, Molecular Modelling, Simulation and Design, Nanomaterials and Interfaces, and Sustainability.



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## FIND OUT MORE...

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

[pg-ceas@manchester.ac.uk](mailto:pg-ceas@manchester.ac.uk)

+44 (0)161 306 4149

## TAUGHT COURSES

**Advanced Chemical Engineering  
MSc/PGDip/PGCert**  
FT

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**Advanced Chemical Process  
Design MSc/PGDip/PGCert**  
FT

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**Advanced Process Design for  
Energy MSc/PGDip/PGCert**  
FT

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**Biotechnology  
MSc/PGDip/PGCert**  
FT

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**Chemical Engineering with  
Design MSc/PGDip/PGCert**  
FT

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**Environment and Sustainable  
Technology MSc/PGDip/PGCert**  
FT

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**Refinery Design and Operation  
MSc/PGDip/PGCert**  
FT

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## RESEARCH PROGRAMMES

**Analytical Science PhD/MPhil**  
FT/PT

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**Biocatalysis PhD/MPhil**  
FT/PT

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**Chemical Engineering  
PhD/MPhil**  
FT/PT

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**Chemical Engineering  
and Analytical Science  
PhD/MPhil/MEnt**  
FT/PT

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**Chemical Engineering and  
Analytical Science EngD/EntD**  
FT

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**Chemical Engineering  
and Analytical Science  
Integrated PhD**  
FT

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**Colloids, Crystals, Interfaces  
and Materials PhD/MPhil**  
FT/PT

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**Environment and Sustainable  
Technology PhD/MPhil**  
FT/PT

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**Instrumentation PhD/MPhil**  
FT/PT

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**Multi-Scale Modelling  
PhD/MPhil**  
FT/PT

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**Process Integration PhD/MPhil**  
FT/PT

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**Systems Biology PhD/MPhil**  
FT/PT

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*See also Engineering for  
Manufacture p78.*

# CHEMISTRY

## WHY MANCHESTER?

**World-leading research**

**Outstanding facilities**

**Exceptional depth and range of expertise**

**Alumni in top jobs**

**RAE 4\*20% 3\*45% 2\*35%  
1\*0%**

Our School of Chemistry continues Manchester's long and distinguished history of chemical innovation, from the birth of modern chemistry with John Dalton through to Nobel Prize winners and Manchester students John Polanyi and Michael Smith.

We are the premier institution for chemistry in the North of England, and one of a handful of truly internationally competitive chemistry schools in the UK, with 65 teaching and 145 research staff. We also have one of the largest research schools in the UK, including 244 postgraduate students. In the most recent Research Assessment Exercise (RAE 2008), our School was ranked fourth in the UK, based on research power.

We offer comprehensive academic coverage across the chemical sciences, excellent in-depth research in all the core sub-disciplines of chemistry, outstanding facilities and a strong portfolio of postgraduate courses and programmes.

Our School is a major partner in the Manchester Institute of Biotechnology (MIB), a novel research institute housed in an innovative MIB building, and in the Photon Science Institute and Dalton Nuclear Institute. The MIB building is specifically designed to accommodate an interdisciplinary research community derived from the biosciences, the physical sciences, engineering and mathematics, with the aim of becoming a powerhouse of innovative research and technology development at the interface with biology.

We currently have a large portfolio of EPSRC research and BBSRC grants, alongside significant industrial and European funding, and our School currently holds £50 million of research grants.

We enjoy world-class facilities and have several other centres strongly supported by industry, including:

- Centre of Excellence for Biocatalysis (CoEBio3)
- Organic Materials Innovation Centre (OMIC)
- Centre for Radiochemistry Research
- Centre for Nanoporous Materials
- Michael Barber Centre for Mass Spectrometry

OMIC and the Centre for Nanoporous Materials form part of the Knowledge Centre for Materials Chemistry.

**“Due to the work I am undertaking, the resources available to me, and the high calibre of my colleagues and supervisor, I really feel I am learning and developing at a rate, and to a level, which will give me the freedom to take my career in any direction I choose.”**

**Karl Collins** – PhD Organic Chemistry

**FIND OUT MORE...**

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

[pg.chemistry@manchester.ac.uk](mailto:pg.chemistry@manchester.ac.uk)

+44 (0)161 306 9279

**TAUGHT COURSES**

**Chemistry/Analytical  
Chemistry MSc/PGDip/PGCert**  
FT/PT

**Polymer Materials Science and  
Engineering\* MSc/PGDip/  
PGCert**  
FT/PT/DL  
\*Joint course with School of  
Materials

**RESEARCH PROGRAMMES**

**Biological Chemistry PhD/MPhil**  
FT/PT

**Chemistry EngD/EntD/MSc by  
Research**  
FT/PT

**Chemistry PhD/MPhil/MEnt**  
FT/PT

**Inorganic Chemistry PhD/MPhil**  
FT/PT

**Materials Chemistry PhD/MPhil**  
FT/PT

**Organic Chemistry PhD/MPhil**  
FT/PT

**Physical Chemistry PhD/MPhil**  
FT/PT

**Theoretical Chemistry PhD/  
MPhil**  
FT/PT

*See also Engineering for  
Manufacture p78.*

# CIVIL ENGINEERING

**WHY MANCHESTER?**

**Highly rated for research**

**World-class facilities**

**Alumni in top jobs in industry  
and research**

**RAE 4\*20% 3\*50% 2\*30%  
1\*0%**

The School of Mechanical, Aerospace and Civil Engineering is one of Europe's leading schools of engineering. Our diverse international community creates a stimulating and challenging learning environment that produces world-class professionals and achieves outstanding standards in research. We rank third in the UK for research power and our combined record of excellence is among the strongest in the country.

Our taught courses support both research activities and industrial needs that reflect the strength of our academic interests. Among the first of its kind in the UK, our Structural Engineering course is accredited by both the Institution of Structural Engineers and the Institution of Civil Engineers.

Management of Projects offers state-of-the-art project management education either as a generic programme or with a commercial, construction or engineering pathway.

Dedicated research themes include: Aerospace; Bio-engineering; Bioenergy and Biomass; Climate Change; Dating of Fired Clay Ceramics RHX; Infrastructure; Innovative Manufacturing; Management of Projects; Nuclear; Offshore Renewable Energy.

On top of this, we have expert groups focusing on research activity in the following areas: Advanced Flow Diagnostics and Instrumentation; Bioengineering; Built Environment; Coastal Processes; Computational Fluid Dynamics; Construction Science; Dynamics and Aeroelasticity; Energy and Multiphysics; Experimental Aerodynamics; Geo-Engineering; Impact and Explosion; Management of Projects; Marine Energy; Nuclear Graphite; Reliability, Availability, Maintenance and Safety; Smoothed Particle Hydrodynamics; Structures and Fire; and Turbulence Mechanics.

## FIND OUT MORE...

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

[pg-mace@manchester.ac.uk](mailto:pg-mace@manchester.ac.uk)

+44 (0)161 306 9219

## TAUGHT COURSES

**Structural Engineering MSc**  
FT

**Management of Projects MSc**  
FT

**Management of Projects  
– Commercial/Construction/  
Engineering Pathways MSc**  
FT

## RESEARCH PROGRAMMES

**Civil Engineering PhD/MPhil**  
FT/PT

**Civil Engineering MSc  
by Research**  
FT

**Management of Projects  
PhD/MPhil**  
FT/PT

**Management of Projects  
MSc by Research**  
FT

**Mechanical, Aerospace  
and Civil Engineering EngD**  
FT

*Our programmes are currently  
under review. Please check our  
website for up-to-date information.*

# CLASSICS AND ANCIENT HISTORY

## WHY MANCHESTER?

**Strong, supportive research  
community**

**Outstanding library  
collections, including papyri,  
medieval manuscripts, early  
printed books**

**Excellent provision for Greek  
and Latin language teaching  
at all levels**

**RAE 4\*25% 3\*30% 2\*35%  
1\*10%**

One of the largest and liveliest centres for the study of the classical world in the UK (comprising 15 academic staff, 10 to 20 taught postgraduates and 20 to 25 research postgraduates), we are equally strong on both the Greek and Roman sides in history, literature and language. As well as offering comprehensive coverage of central and canonical subjects, we have expertise in a number of more rare, specialist fields, including epigraphy, ancient medicine and linguistics.

Building on our long and distinguished history, we have attracted ever-growing numbers of postgraduates, backed by strong investment from the University.

We pride ourselves especially on: our dynamic and inclusive international community of students; our talented research

fellows and permanent staff; our weekly departmental lunch; our lively and sociable weekly research seminar; plus international conferences held at least annually; the high quality and exceptional delivery of our postgraduate programmes; our special emphasis on the development by our postgraduates of appropriate language skills, both ancient (for controlling the sources) and modern (for reading modern scholarship); strong links (particularly for ancient historians) with the British Schools at Rome and Athens; and on the classical collections of our University Library, together with its special collections – a scholar's treasure trove with considerable exploitable potential.

## FIND OUT MORE...

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

For MAs:  
[MASALC@manchester.ac.uk](mailto:MASALC@manchester.ac.uk)  
+44 (0)161 306 1259

For PhDs:  
[PhDSALC@manchester.ac.uk](mailto:PhDSALC@manchester.ac.uk)  
+44 (0)161 275 3559

## TAUGHT COURSES

**Classics and Ancient  
History MA**  
FT/PT

## RESEARCH PROGRAMMES

**Classics and Ancient  
History PhD**  
FT/PT



# COMPUTER SCIENCE

## WHY MANCHESTER?

**Top rated for research**

**Facilities to support collaborative work and independent learning**

**Unrivalled depth and breadth of expertise**

**Alumni in top jobs in industry and research**

**RAE 4\*30% 3\*55% 2\*15% 1\*0%**

Choose to study at The University of Manchester and you will be joining one of the most innovative and successful schools of computer science in the world.

Manchester saw the birth of computer science, with the creation of the world's first stored-program computer in 1948, and has contributed over the years to some of the discipline's most exciting and important innovations.

We continue to work on pioneering research, including cutting-edge image processing software, new technologies to exploit the power of the web, medical imaging software, low power chip design, new 'brain-like' computer architectures, and much more. Such world-class activities inform the content of our postgraduate courses, enabling you to work with leading-edge technologies and research staff of international renown.

Today, we are rated among the top UK departments for the quality of our research. When both the quality and size of our research contributions are taken into account, Computer Science at Manchester ranks second in the UK and first in England.

Our School's Centre for Doctoral Training in Computer Science offers a four-year PhD, which combines deep technical research with training in creativity and innovation, reinforced by collaboration with industrial stakeholders who have taken a strong interest in the foundation of this centre.

Manchester is also renowned for our innovative approach to MSc teaching. Our size and research strength enable us to offer a combination of breadth, depth and flexibility that is difficult to find elsewhere. You are free to shape your own course by choosing from a wide spectrum of computer science and interdisciplinary topics, and are supported in your choice through our theme-based structure.

The value of a Manchester Computer Science postgraduate degree is further reinforced through our ties with other disciplines, reflected in the breadth and interdisciplinary nature of many of the themes and pathways available on our courses.

## FIND OUT MORE...

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

[pg-compsci@manchester.ac.uk](mailto:pg-compsci@manchester.ac.uk)

+44 (0)161 275 0698

## TAUGHT COURSES

### Advanced Computer Science MSc/MRes FT/PT

You can opt to follow the standard course or to flavour your MSc by choosing a particular 'pathway'. These enable you to graduate from the long-established and highly respected ACS course, but with a specialism that reflects your interests and career aspirations.

#### Pathways include:

**ACS: Advanced Web Technology**  
**ACS: Artificial Intelligence**  
**ACS: Computer Security**  
**ACS: Computer Systems Engineering**  
**ACS: Data and Knowledge Management**  
**ACS: Digital Biology**  
**ACS: Multi-Core Computing**  
**ACS: Semantic Technologies**  
**ACS: Software Engineering**  
**Computer Science Foundation**  
**Route DL:** a distance-learning route into our MSc courses for those who do not have a first degree in Computer Science or related areas.

### Advanced Computer Science and IT Management MSc\* FT/PT

#### Additional pathway:

### Advanced Computer Science and IT Management: Information Management\*

\*Taught in collaboration with Manchester Business School

In addition to our full-time and part-time programmes, a number of modular and distance-learning options are offered via face-to-face or distance learning. Individual course units can be built up to obtain the following qualifications:

### Postgraduate Certificate Postgraduate Diploma Digital Biology MSc Multi-Core Computing MSc

To find out more, contact our Advanced Professional Education Unit:

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

[ape@cs.man.ac.uk](mailto:ape@cs.man.ac.uk)

+44 (0)161 275 0140

## RESEARCH PROGRAMMES

### Computer Science PhD FT/PT

### Computer Science MPhil FT/PT

### Computer Science MEnt FT

Research projects are available in the following areas:

**Advanced Interfaces and Computer Graphics**  
**Advanced Processor Technologies**  
**Bio-Health Informatics**  
**Computer Vision**  
**Embedded and Hybrid Systems**  
**Formal Methods**  
**Information Management**  
**Machine Learning and Optimisation**  
**Nano Engineering and Storage Technology**  
**Software Engineering**  
**Text Mining**

A list of research projects and funding opportunities is available online:

[www.cs.manchester.ac.uk/phd/researchprojects](http://www.cs.manchester.ac.uk/phd/researchprojects)

## DOCTORAL TRAINING CENTRE PROGRAMME

### Computer Science PhD (4yrs) FT

# CREATIVE WRITING AND CONTEMPORARY LITERATURE

## WHY MANCHESTER?

**Prize-winning teaching staff**

**Home to The Manchester Review**

**Acclaimed Literature Live reading series**

**Strong record of graduate publication**

**RAE 4\*30% 3\*45% 2\*25% 1\*0%**

Home to our postgraduate degrees in Creative Writing, and in Contemporary Literature and Culture, our Centre for New Writing is a place where talented writers and critics of contemporary literature and culture can meet and exchange ideas and opinions. The Centre is founded on the simple but important principle that good writing and good reading go together.

Our students enjoy opportunities including: seminars with Jeanette Winterson; workshops in fiction and poetry writing led by published, award-winning writers; intensive, one-to-one instruction from writers-in-residence; free entry to Literature Live, a fortnightly reading series bringing the best contemporary novelists and poets to Manchester; and regular visits from literary agents and editors. The Centre is also home to our online journal: The Manchester Review.

Distinguished teaching staff include: novelists Jeanette Winterson, MJ Hyland, Geoff Ryman and Ian McGuire; poets John McAuliffe and Vona Groarke; and literary and cultural critic Kaye Mitchell.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Contemporary Literature and Culture MA**  
FT/PT

**Creative Writing MA**  
FT/PT

## RESEARCH PROGRAMMES

**Creative Writing PhD**  
FT/PT

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# CRIMINOLOGY AND CRIMINAL JUSTICE

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## WHY MANCHESTER?

**Highly prestigious law  
school**

**Extensive breadth of social  
science perspectives**

**RAE 4\*25% 3\*30% 2\*35%  
1\*10%**

Our Centre for Criminology and Criminal Justice Studies brings the field of criminology into our School of Law. Manchester's law school is one of the oldest and most prestigious in the country and has a major international reputation for research and teaching in socio-legal studies.

More than 20 staff use a range of social science methods in studying crime, the justice system and law more widely. Members bring the insights and methods of criminology, sociology, anthropology, psychology and economics to a diverse range of problems and policy issues. The breadth of social science perspectives is one of our major strengths.

Criminology is an ESRC-recognised outlet for PhD training. Our staff members are international experts in their field and hold a number of prestigious grants and awards.

Students pursuing advanced degrees in our Centre join a lively interdisciplinary group of scholars and an active postgraduate student community.

## FIND OUT MORE...

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

For taught courses:  
[pg-law@manchester.ac.uk](mailto:pg-law@manchester.ac.uk)  
+44 (0)161 306 1270

For research programmes:  
[research-law@manchester.ac.uk](mailto:research-law@manchester.ac.uk)  
+44 (0)161 306 1279

## TAUGHT COURSES

**Crime, Law and Society MA**  
FT/PT

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**Criminology and  
Socio-Legal Studies MRes**  
FT/PT

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## RESEARCH PROGRAMMES

**Criminology PhD**  
FT/PT

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*See also Law p89.*



# DENTISTRY

## WHY MANCHESTER?

**Highest ranked UK dental school for research**

**Clinical and research training offered in partnership with the National Health Service**

**Dedicated Postgraduate Dental Education Centre**

**RAE 4\*30% 3\*45% 2\*25% 1\*0%**

We are proud to offer more than 100 postgraduate students, from diverse clinical and science backgrounds, an invigorating environment in our School of Dentistry that will educate, inform and inspire you.

Holding the highest UK ranking for research quality in the most recent Research Assessment Exercise, our research opportunities reflect our priorities in improving the scientific understanding of craniofacial and oral health. We employ innovative developmental biology and biomaterial approaches to enable craniofacial health interventions. Oral health provision includes health services research, systematic reviews, caries and diagnostic research, oral radiology and imaging.

Our research activity influences UK policy in dental services provision, and our PhD students are a key element of this. We encourage authorship on publications, representation at international conferences and communicating science to the public across our PhD community.

Our internationally recognised four-year clinical PhD allows you to maintain and develop clinical skills while completing doctoral research, and can be tailored to accommodate your research and clinical specialty interests.

We also offer innovative one-year and three-year clinical MSc courses in the major dental specialties; on passing the three-year course you become eligible to take the Royal College specialty examinations.

Our new Postgraduate Dental Education Centre, developed in partnership with National Health Service Manchester, gives you access to patients and the latest materials and equipment, providing a training environment that equips you with the skills, expertise and support to progress into prestigious clinical and research careers.

We offer distance-learning MSc courses in Dental Public Health, and Restorative and Aesthetic Dentistry – accommodating those busy people who wish to expand their knowledge, but cannot study away from home.

## FIND OUT MORE...

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

[pg-dentistry@manchester.ac.uk](mailto:pg-dentistry@manchester.ac.uk)

+44 (0)161 306 0239

## TAUGHT COURSES

**Clinical Dentistry (Endodontics) MSc**  
FT

**Clinical Dentistry (Fixed and Removable Prosthodontics) MSc**  
FT

**Clinical Dentistry (Oral and Maxillofacial Surgery) MSc**  
FT

**Clinical Dentistry (Orthodontics) MSc**  
FT

**Clinical Dentistry (Periodontology) MSc**  
FT

**Dental Implantology MSc/PGDip/PGCert**  
PT

**Dental Public Health MDPH/MRes/PGDip/PGCert**  
PT/FT/DL

**Endodontics MSc**  
FT

**Fixed and Removable Prosthodontics MSc**  
FT/PT

**Oral and Maxillofacial Surgery MSc/PGDip**  
FT/PT

**Restorative and Aesthetic Dentistry MSc**  
PT/DL

## RESEARCH PROGRAMMES

**Basic Dental Science (Cancer Studies) PhD/MPhil**  
FT/PT

**Basic Dental Science (Molecular Genetics) PhD/MPhil**  
FT/PT

**Basic Dental Science (Stem Cell Biology) PhD/MPhil**  
FT/PT

**Biomaterials Science and Dental Technology PhD/MPhil**  
FT/PT

**Dental Public Health/Community Dentistry PhD/MPhil**  
FT/PT

**Dental Science Clinical PhD**  
FT/PT

**Endodontology PhD/MPhil**  
FT/PT

**Fixed and Removable Prosthodontics PhD/MPhil**  
FT/PT

**Operative Dentistry PhD/MPhil**  
FT/PT

**Oral and Maxillofacial Surgery PhD/MPhil**  
FT/PT

**Oral Radiology PhD/MPhil**  
FT/PT

**Orthodontics PhD/MPhil**  
FT/PT

**Prosthodontics PhD/MPhil**  
FT/PT

**Restorative Dentistry PhD/MPhil**  
FT/PT

# DRAMA

## WHY MANCHESTER?

**Top-rated for research with diverse range of research expertise**

**Flexible, choice-based MA courses**

**Personalised mentoring and staff support**

**Excellent links to cultural sector in a vibrant city**

**RAE 4\*45% 3\*40% 2\*15% 1\*0%**

Founded in 1961 by a generous gift from Granada Television, Drama at Manchester has developed an international reputation for high quality research. Our approach combines an emphasis on historical and theoretical perspectives with practical exploration and understanding. Across all our research and taught programmes, we focus on critical and creative explorations of diverse theoretical perspectives, and practical innovation and application in drama, theatre and performance.

We have some of the country's leading researchers, who publish widely and promote a lively and innovative research culture. Our postgraduates benefit from access to personalised mentoring and support and professional research training delivered by active researchers. Within a context of structured support, we encourage you to pursue independent research projects that extend existing expertise in new and exciting directions. You have opportunities to engage with professional contexts of theatre and screen practice and to participate in the vibrant research culture in the subject area.

Our impressive £6 million facilities include the John Thaw Studio Theatre, Cosmo Rodewald Concert Hall and Joint Electro-Acoustic Music Studios, plus professional-standard audio-visual facilities and excellent workshop and practice spaces. All our staff are active within our three main research strands: Theatre Studies, Applied Theatre and Screen Studies.

**FIND OUT MORE...**

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

**TAUGHT COURSES**

**Applied Theatre (pathway of MA Theatre and Performance) MA**  
FT/PT

**Screen Studies MA**  
FT/PT

**Theatre and Performance MA**  
FT/PT

**RESEARCH PROGRAMMES**

**Anthropology, Media and Performance PhD**  
FT/PT

**Drama PhD**  
FT/PT

**Professional Doctorate in Applied Theatre**  
PT

*See also Humanitarianism, Conflict Response and Peacebuilding p85.*

# EARTH, ATMOSPHERIC AND ENVIRONMENTAL SCIENCES

**WHY MANCHESTER?**

**Excellent graduate opportunities**

**At the forefront of international research**

**Superb campus facilities and fieldwork stations**

**RAE 4\*20% 3\*50% 2\*25%  
1\*5%**

Our School's research focuses on the processes that shape the Earth and influence our atmosphere. Research specialisations range from the formation of elements in stars, to the safe disposal of radioactive waste and humanity's effects on the Earth and its atmosphere.

Academic staff have experience and expertise across a wide range of disciplines and our School is uniquely placed to offer a broad spectrum of research and taught postgraduate degree courses, and to provide authoritative teaching and training across the breadth of the subject.

Our School's excellent Research Assessment Exercise rating (see left) demonstrates that we are at the forefront of international research – and we actively promote links between our current research and our teaching courses. We also promote science to the public, most recently through the popular television programmes *Walking with Dinosaurs*, *Live from Dinosaur Island*, *Jurassic CSI*, the BBC series on *Rain, Snow and Wind*, and *Flying into a Storm* – and via our regular *Barometer* podcast on our School website, which covers weather and climate issues.

We have a large and very active research school, with substantial support from the government and industry. Research activity centres on the following seven major research groups:

- Atmospheric Sciences
- Basin Studies and Petroleum Geoscience
- Environmental Geochemistry and Geomicrobiology
- Isotope Geochemistry and Cosmochemistry
- Palaeontology
- Physics and Chemistry of Minerals and Fluids
- Structural and Petrological Geoscience

Our superb equipment base supports research and teaching, together with associated sample preparation and workshop facilities. Fieldwork related to earth and atmospheric sciences takes place at a huge variety of locations around the world. In addition to our wealth of laboratory facilities, we also maintain hilltop stations in the Southern Pennines and run a Cessna light aircraft (unique among UK university groups).

Increasing environmental awareness, climate change concerns and a buoyant oil industry provide a wealth of opportunities for our graduates, who can be found worldwide in environmental consultancies, in oil and power generation companies, and in research positions, both industrial and academic.

## FIND OUT MORE...

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

[pg-earthsci@manchester.ac.uk](mailto:pg-earthsci@manchester.ac.uk)

+44 (0)161 275 0776

## TAUGHT COURSES

**Master of Environmental Sciences, Policy and Management (MESPOM)**  
FT

**Petroleum Geoscience for Exploration MSc**  
FT

**Petroleum Geoscience for Reservoir Development and Production MSc**  
FT

**Pollution and Environmental Control MSc**  
FT/PT

## RESEARCH PROGRAMMES

**Atmospheric Sciences**  
PhD/MPhil/MSc by Research  
FT/PT

**Basin Studies and Petroleum Geoscience**  
PhD/MPhil/MSc by Research  
FT/PT

**Earth, Atmospheric and Environmental Sciences** PhD/MPhil/MEnt/MSc by Research/EntD  
FT/PT

**Environmental Geochemistry and Geomicrobiology**  
PhD/MPhil/MSc by Research  
FT/PT

**Isotope Geochemistry and Cosmochemistry**  
PhD/MPhil/MSc by Research  
FT/PT

**Palaeontology**  
PhD/MPhil/MSc by Research  
FT/PT

**Physics and Chemistry of Minerals and Fluids**  
PhD/MPhil/MSc by Research  
FT/PT

**Structural and Petrological Geoscience** PhD/MPhil/MSc by Research  
FT/PT



# EAST ASIAN STUDIES

## WHY MANCHESTER?

**Focus primarily on modern and contemporary East Asia**

**Within humanities and social sciences perspectives**

**Strength in media technology and cultural process**

**RAE 4\*10% 3\*25% 2\*45%  
1\*20%**

Introduced in 2008, East Asian Studies at Manchester comprises Chinese and Japanese Studies. You may undertake postgraduate research in either area, and on transnational topics that span Chinese and Japanese cultural spheres and examine relationships and phenomena across the region. We focus primarily on the modern era, from humanities and social sciences perspectives, across a wide range of areas and topics.

Staff research interests in Japanese Studies include contemporary society; education, socialisation and identity; social and cultural history; gender and the emergence of femininity in Japan; contemporary girls' culture; cultural production and the media; anime, film and social discourse; Japanese medical history and social policies related to medicine; the language of modern television dramas; and language pedagogy, dictionaries and translation.

Chinese Studies is associated with our Faculty of Humanities' Centre for Chinese Studies. Research focuses on contemporary China, particularly since the founding of the People's Republic of China in 1949, but delves into late-imperial and earlier dynastic China as well. China is also studied in the broad sense as transnational China, encompassing the whole of the Chinese-speaking world. Study and research in the global context aim to understand how China and the Chinese-speaking world influence the global community, and vice versa.

Current research includes Chinese history, including studies of the development of science and technology in China in pre-modern and modern periods; Chinese media, information and technology; Sino-Western interactions; contemporary Chinese culture (including sub-cultures) and society; identity formation and transformation; and Chinese foreign policy and security, nationalism and transnationalism.

## FIND OUT MORE...

[www.alc.manchester.ac.uk/subjects/eastasianstudies](http://www.alc.manchester.ac.uk/subjects/eastasianstudies)

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

[PhDSALC@manchester.ac.uk](mailto:PhDSALC@manchester.ac.uk)

+44 (0)161 275 3559

## RESEARCH PROGRAMMES

**Chinese Studies PhD**  
FT/PT

**East Asian Studies PhD**  
FT/PT

**Japanese Studies PhD**  
FT/PT

# ECONOMICS

## WHY MANCHESTER?

**Research excellence in all the core areas of economics**

**In the top ten of UK economics departments**

**Four-year PhD/MRes programme**

**Dedicated postgraduate research courses**

**RAE 4\*25% 3\*55% 2\*20% 1\*0%**

Economics at Manchester is a leading centre for economics research and research-led teaching. The international reach and significance of our research was confirmed by the 2008 Research Assessment Exercise, placing us in the top ten of all UK economics departments. Many famous names in economics have worked in Manchester, including three Nobel Prize winners: Sir John Hicks (1938-46), Sir William Arthur Lewis (1948-58) and Professor Joseph Stiglitz (2005-present). Graduate students from around the world come to study economics here, attracted by our first-class postgraduate training and supervision in the core and specialist areas of economics. In any one year, we have around 200 postgraduate students taking one of our MA or MSc courses, or

“The Economics PhD programme equipped me with modern economic and econometric techniques, offered me the opportunity to participate in academic conferences, and helped me to develop my research skills. The knowledge obtained at Manchester enables me to contribute effectively to high quality academic research and teaching.”

### Dr Christos S Savva

Assistant Professor at the Cyprus University of Technology  
MSc Economics and Econometrics and PhD Economics

undertaking research for a PhD. Many students on the MA or MSc progress to a PhD, either in Manchester or elsewhere. Others find jobs with high profile employers.

Our research excellence encompasses all the core areas of:

- Microeconomics and Mathematical Economics
- Macroeconomics, Growth and Development
- Econometrics and Applied Economics

and expands into specialised areas of:

- Behavioural Economics
- Environmental and Resource Economics
- Development Economics and Policy
- Financial Economics
- Health Economics

You will be automatically involved in our specialist research areas through the dissertation component of the MA and MSc, or through your PhD research.

Our Economics doctoral programme is a four-year '2+2' model with possibility of direct entry into Year 2. The first year is a Manchester MSc or equivalent, followed by a further year of taught course units. You complete the programme with two years of full-time research that may be extended by a further 'writing-up' year. Our PhD students are provided with desk space in the heart of the Economics department. We usually fund up to ten new PhD students each year through studentships.

# EDUCATION

## FIND OUT MORE...

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

[pg-soss@manchester.ac.uk](mailto:pg-soss@manchester.ac.uk)

For taught courses:  
+44 (0)161 275 4471

For research programmes:  
+44 (0)161 275 4743

## TAUGHT COURSES

**Econometrics MSc**  
FT/PT

**Economics MA**  
FT/PT

**Economics MSc**  
FT/PT

**Economics and Econometrics  
MSc**  
FT/PT

**Economics (Environmental  
Economics) MSc**  
FT/PT

**Economics (Economics of  
Health) MSc**  
FT/PT

**Financial Economics MSc**  
FT/PT

## RESEARCH PROGRAMMES

**Economics MRes/PhD**  
FT/PT

### WHY MANCHESTER?

**High-quality research: 85%  
internationally recognised,  
20% world-leading**

**All teacher training courses  
rated 'outstanding' by  
Ofsted, 2010/11**

**Wide range of professionally  
orientated masters courses**

**RAE 4\*20% 3\*35% 2\*30%  
1\*10%**

The Manchester Institute of Education undertakes research that is at the cutting edge of theory and practice. We contribute to improvements in the overall quality of education for learners, their families and communities in educational settings throughout the world. We encourage critical engagement in a diverse range of educational issues and attract staff and students from a broad variety of backgrounds who want to work together to solve real-world problems.

With one of the UK's largest graduate educational research communities, we offer a rich diversity of opportunities for postgraduate research students, including a full range of full-time and part-time PhD routes and four professional doctorates. We create a vibrant international postgraduate community that is

welcoming, supportive and friendly, while high-quality research methods training is assured on our MSc in Educational Research.

We provide over 20 taught postgraduate courses. These have attracted excellent ratings in teaching quality assessments in recent years (including those undertaken by both QAA and Ofsted). The breadth of areas (TESOL, educational technologies and communication, inclusive education, counselling, leadership and school improvement, education with qualified teacher status, profound learning disabilities) covered by the masters and diploma courses attracts students from educational contexts worldwide. Some of these are offered by distance learning.

The highly rated PGCE courses provide high-quality teacher training for both Primary and Secondary phases. The taught Masters in Educational Research is recognised by the Economic and Social Research Council.

## FIND OUT MORE...

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

[pg-education@manchester.ac.uk](mailto:pg-education@manchester.ac.uk)

+44 (0)161 275 3463

## TAUGHT COURSES

**Counselling MA**  
PT

**Critical Learning Disability Studies MA**  
PT

**Digital Technologies, Communication and Education MA**  
FT/PT/DL

**Education (International) MA**  
FT

**Educational Leadership and Improvement MA**  
PT

**Educational Leadership and School Improvement (Inclusive Education) MA**  
FT

**Educational Leadership and School Improvement MA**  
FT

**Educational Research MSc**  
FT/PT

**Educational Technology and TESOL MA**  
FT/PT/DL

**PGCE Primary**  
FT

**PGCE Primary (Modern Language)**  
FT

**PGCE Secondary Business Education**  
FT

**PGCE Secondary Chemistry**  
FT

**PGCE Secondary Design Technology**  
FT

**PGCE Secondary English**  
FT

**PGCE Secondary Mathematics**  
FT

**PGCE Secondary Modern Languages (French/German/Spanish)**  
FT

**PGCE Secondary Science (Biology)**  
FT

**PGCE Secondary Physics**  
FT

**PGCE Secondary Physics with Mathematics**  
FT

**Profound and Complex Learning Disability MSc/PGCert**  
DL

**Psychology of Education MEd**  
FT/PT

**TESOL MA**  
FT/PT/DL

## RESEARCH PROGRAMMES

**Education PhD**  
FT/PT

**Doctorate in Counselling Psychology DCounsPsych**  
FT

**Doctorate in Educational and Child Psychology DEdChPsychol**  
FT

**Doctorate in Education EdD**  
PT

“When the whole course content is at your fingertips, and when you have such supportive, knowledgeable and approachable tutors, everything runs smoothly.”

**Işıl Boy**

MA Educational Technology and TESOL



# ELECTRICAL AND ELECTRONIC ENGINEERING

## WHY MANCHESTER?

**Research income: Over £8m per year (average)**

**Research themes: Involved in all research areas in the subject, with particular interests in Energy, Electronics in Agriculture (e-Agri) and Autonomous Systems**

**Outstanding experimental facilities**

**Around 15% of our taught postgraduates stay on to study for a research degree**

**RAE 4\*25% 3\*45% 2\*30% 1\*0%**

Our School of Electrical and Electronic Engineering is one of the largest schools of this discipline in the UK, with an excellent reputation in both academia and industry. We have a postgraduate population of more than 400 students, with around 180 of these studying for research degrees.

More than 60 members of research-active academic staff are distributed between six research groups, which cover the broad spectrum of activities involved in electrical and electronic engineering:

- Control Systems
- Electrical Energy and Power Systems
- Microelectronics and Nanostructures
- Microwave and Communication Systems
- Power Conversion
- Sensing, Imaging and Signal Processing

The most recent Research Assessment Exercise (RAE 2008) highlighted our excellence in research, ranking us second in the UK in terms of research quality. This is further confirmed by our collaborations with companies such as Rolls-Royce, BP, National Grid, Syngenta, Oxford Instruments, EDF, National Instruments, Agilent, BT, HMGCC, Nexia, Rapiscan Systems and the European Space Agency.

Our research always aims to advance fundamental knowledge and applications across a wide spectrum by working with industry, national facilities and university groups, or by pursuing commercial exploitation.

The great breadth and depth of the research interests of our academic staff ensures a high standard of lectures and provides you with excellent opportunities for challenging and stimulating research projects.

We offer a number of high-quality, specialist-taught MSc courses, which attract a large number of outstanding students each year. Graduates from our School are highly sought after by employers.

## FIND OUT MORE...

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

For taught courses:  
pgt-eee@manchester.ac.uk  
+44 (0)161 306 4701

For research programmes:  
pgr-eee@manchester.ac.uk  
+44 (0)161 306 4800

## TAUGHT COURSES

**Advanced Control and Systems Engineering MSc**  
FT

**Communication Engineering MSc**  
FT

**Digital Signal Processing MSc**  
FT/PT

**Electrical Power Systems Engineering MSc**  
FT/PT

**Power Electronics, Machines and Drives MSc**  
FT/PT

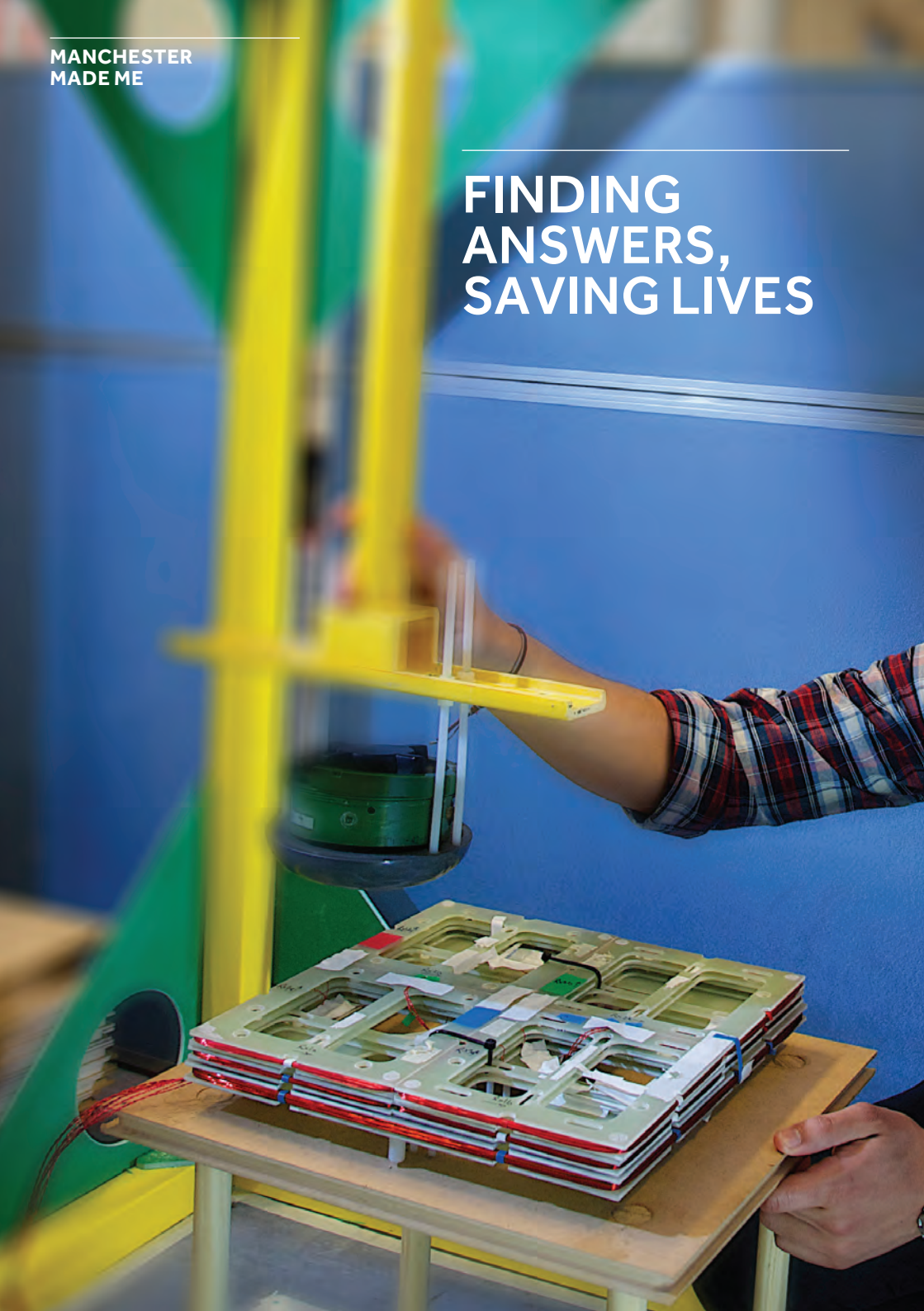
**Renewable Energy and Clean Technology MSc**  
FT

We continually develop our portfolio of MSc courses and are introducing two-year MSc courses, alongside the existing one-year courses. These will have similar taught material but also an extended research project; visit our website for the latest information.

*Continued on p78.*

MANCHESTER  
MADE ME

# FINDING ANSWERS, SAVING LIVES



“As an undergraduate, you’re trying to learn the solutions. As a postgraduate, you’re trying to find them yourself.”



## Omar Abdel Rehim

### Electrical and Electronic Engineering PhD student

Omar’s research has relevance in fields far beyond academia. His work on landmine detection could help save lives around the world. It’s taken him to some unusual places too.

“I was attracted to Manchester by its reputation and the city life. The quality and the amount of research that they do here is phenomenal. I actually did my undergraduate degree here; once I finished that I thought it’d be a shame not to carry on.

“I’m working on an intelligent discriminating landmine detector. The work is funded by the Find a Better Way charity, which was founded in Manchester by Sir Bobby Charlton to support the extraction of landmines. I didn’t realise I’d be involved in so many activities beyond my research – when the charity launched, we went to Lloyd’s of London to talk with these guys who were making a huge donation. I’ve recently visited the House of Commons to present the project to MPs. I’m even running a 10k race to raise awareness!

“Manchester is a diverse city. I’m from Alexandria from Egypt and so, coming from a big city, I like the fact that there is a lot to do. There is a big student influence and population here; a lot of similarly aged people at similar positions in their lives. Outside my research, I’m part of the University’s swimming and water polo teams, which is good socially and keeps me fit.

“My career prospects have changed. I’m considering either going into research or doing consultancy, whereas before I was going to go into oil and gas or electricity. I’ve developed problem-solving skills and patience, as you spend a lot of time trying things that don’t work. Manchester has definitely made me more mature. I now know I can take command of what I want to do with my life and how I’m going to do it.”

Continued from p75.

## RESEARCH PROGRAMMES

When applying online, enter one of the following titles in the Programme Description field:

**Electrical and Electronic Engineering PhD/MPhil/ Split-site PhD/MSc by Research FT/PT**

**Electrical and Electronic Engineering EntD FT**

**Electrical and Electronic Engineering MEnt FT/PT**

**Electrical and Electronic Engineering EngD FT**

In the Proposed Research section within the online application form, enter one of the following in the Research Title field:

- Control Systems (CS)
- Electrical Energy and Power Systems (EEPS)
- Microelectronics and Nanostructures (M&N)
- Microwave and Communication Systems (MACS)
- Power Conversion (PC)
- Sensing, Imaging and Signal Processing (SISP)

If you are unsure of the appropriate research programme/group, please indicate the area of research that you are interested in and we will circulate your application to the appropriate staff.

See also *Engineering for Manufacture* p78.

# ENGINEERING FOR MANUFACTURE

## WHY MANCHESTER?

**Accredited by IMechE and IET, allowing rapid mentored progression to CEng**

**Run in collaboration with the manufacturing industry, for maximum relevance**

**RAE 4\*25% 3\*45% 2\*30% 1\*0%**

Our EngD in Engineering for Manufacture is a four-year postgraduate research programme aimed at outstanding young engineers who are considering a career in industry.

It comprises four elements: a doctoral-level research project, or portfolio of projects; a diploma in Enterprise Management; taught technical course units; and an accredited professional development programme designed to enhance your self-confidence and help you develop leadership and management skills.

In addition to obtaining a high-quality doctoral qualification, you will gain an understanding of how technology-driven businesses innovate, how they manage their operations and respond to the non-technical challenges they face in developing new products and processes.

This is complemented by the practical experience of working closely with collaborating industrial R&D teams; wherever possible, you will be based within a company facility for a significant portion of your four years.

There is a strong cohort basis to the programme; students from across the cohort come together with other EngD students for courses, workshops and other activities.

Please note that at the present time we are unable to offer funded places for the EngD in Engineering for Manufacture. We continue to welcome enquiries from self-funded candidates or from companies who are able to fully fund a project. Please contact the EngD Centre to discuss.

## FIND OUT MORE...

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

[engd.centre@manchester.ac.uk](mailto:engd.centre@manchester.ac.uk)

+44 (0)161 306 4157

## RESEARCH PROGRAMMES

**Engineering for Manufacture EngD FT**



# ENGLISH AND AMERICAN STUDIES

## WHY MANCHESTER?

**75% of research rated 'world leading' or 'internationally excellent'**

**Unrivalled breadth and depth of expertise, from medieval to modern**

**World-class library with exceptionally rich holdings in our field**

**Excellent employment prospects**

**RAE 4\*30% 3\*45% 2\*25% 1\*0%**

Postgraduate study in English and American Studies at Manchester has a strong research record and staff of internationally recognised standing, covering both traditional and emerging areas of the discipline, as evidenced by our active research groups: American Studies, Centre for the Study of Sexuality and Culture, Medieval and Literary and Cultural Studies, Early Modern Studies, Modernism, and Postcolonial and Irish.

Our large, active postgraduate English and American studies community runs an annual conference and publishes its own journal.

We offer excellent postgraduate facilities, including a workroom, computer clusters and common room, plus a bursary scheme for MA students and sponsorship for PhD students to attend conferences.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**American Studies (History) MA**  
FT/PT

**American Studies (Literature and Culture) MA**  
FT/PT

**English and American Studies MA**  
FT/PT

**Medieval Studies MA**  
FT/PT

**Literature and Culture 1200-1700 MA**  
FT/PT

**Post-1900 Literatures, Theories and Cultures MA**  
FT/PT

**Postcolonial Literatures and Cultures MA**  
FT/PT

## RESEARCH PROGRAMMES

**English and American Studies PhD**  
FT/PT

*See also Creative Writing and Contemporary Literature p65, Gender, Sexuality and Culture p82, and History p84.*



# ENVIRONMENTAL ENGINEERING

## WHY MANCHESTER?

Highly rated for research

World-class facilities

Alumni in top jobs in industry  
and research

RAE 4\*20% 3\*50% 2\*30%  
1\*0%

Energy, environment and climate change research are strongly interlinked. The challenges for energy research will increase against a background of climate change, changing energy provision within uncertain world politics, increasing world population, increasing pollution and need for control and remediation.

Our specialist centres include the Joule Centre, which focuses on energy research on both the supply and demand side, and the Tyndall Centre, a distributed national centre for research into climate change mitigation and adaptation. Manchester is taking the lead on decarbonisation of energy systems and long-term coastal processes.

The School of Mechanical, Aerospace and Civil Engineering is one of Europe's leading schools of engineering. Our diverse international community creates a stimulating and challenging learning environment that produces world-class professionals and achieves outstanding standards in research. We rank third in the UK for research power and our combined record of excellence is among the strongest in the country.

## FIND OUT MORE...

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

[pg-mace@manchester.ac.uk](mailto:pg-mace@manchester.ac.uk)

+44 (0)161 306 9219

## RESEARCH PROGRAMMES

**Environmental Engineering**  
**PhD/MPhil**  
**FT/PT**

*Our programmes are currently under review. Please check our website for up-to-date information.*

# EUROPEAN LANGUAGES AND CULTURES

## WHY MANCHESTER?

**Vibrant postgraduate culture: research and professional programmes**

**Outstanding breadth and interdisciplinarity across all the major European languages**

**Dedicated Centre for Graduate Studies**

### French

RAE 4\*15% 3\*35% 2\*35% 1\*15%

### German, Dutch and Scandinavian Languages

RAE 4\*20% 3\*35% 2\*30% 1\*15%

### Iberian and Latin American Languages

RAE 4\*30% 3\*45% 2\*20% 1\*5%

### Italian

RAE 4\*20% 3\*35% 2\*40% 1\*0%

### Russian, Slavonic and East European Languages

RAE 4\*35% 3\*35% 2\*25% 1\*5%

Language-based disciplines are at the heart of our new School of Arts, Languages, and Cultures, offering an outstanding breadth of interdisciplinary expertise across European languages and cultures.

Our diverse postgraduate courses and programmes in French, German, Iberian and Latin American languages, Italian, and Russian and East European languages, as well as in Middle Eastern languages, are united by common interests in the study of languages and their application in cultural, historical, political and social studies; in linguistics; and in translation, interpreting and intercultural studies. Our research interests cover all historical periods from the Middle Ages onwards, and extend to visual, screen and performance studies, migration and diaspora studies, Holocaust studies, postcolonial studies, gender and sexuality studies, and critical theory.

We are one of the country's pre-eminent centres for research in European languages, cultures and societies, and we make that expertise available to postgraduate students via our wide range of research and professionally oriented programmes.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Conference Interpreting MA**  
FT/PT

**Intercultural Communication MA**  
FT/PT

**Languages and Cultures (research route) MA**  
FT/PT

**Languages and Linguistics MA**  
FT/PT

**Translation and Interpreting Studies MA**  
FT/PT

## RESEARCH PROGRAMMES

**French Studies PhD/MPhil**  
FT/PT

**German Studies PhD/MPhil**  
FT/PT

**Italian Studies PhD/MPhil**  
FT/PT

**Polish Studies PhD/MPhil**  
FT/PT

**Portuguese Studies PhD/MPhil**  
FT/PT

**Russian Studies PhD/MPhil**  
FT/PT

**Spanish Studies PhD/MPhil**  
FT/PT

# GENDER, SEXUALITY AND CULTURE

## WHY MANCHESTER?

**Unique MA offering options in diverse academic disciplines**

**MA contributors include authors of world-leading research**

**World-class library with extensive holdings in these subjects**

This interdisciplinary subject is offered by the Centre for the Study of Sexuality and Culture within our School of Arts, Languages, and Cultures.

Our taught MA is unique within the UK, as it brings together scholars offering options in diverse academic disciplines, including English and American studies, art history and visual cultures, history, modern languages, religions and theology, history of medicine, sociology, social anthropology, politics, and others.

Our University's research culture is unusually rich for the study of gender and sexuality, and many disciplines with offerings in this area were rated 'world-leading' or 'internationally excellent' in the more recent Research Assessment Exercise.

The University of Manchester Library has one of the best collections of journals, books and archival resources focused on gender and sexuality studies in the UK. You will also have access to other university libraries through the CALIM scheme. Excellent additional research facilities and other unique data sources are also available.

Our Centre for the Study of Sexuality and Culture hosts an annual Sexuality Summer School that addresses current debates within queer studies, emphasising in particular its implication for the interdisciplinary study of culture.

We welcome applications from doctoral and masters level students from any university.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Gender, Sexuality and Culture MA**  
FT/PT

## RESEARCH PROGRAMMES

**English and American Studies PhD**  
FT/PT

*See also Sociology p127.*

# GEOGRAPHY

## WHY MANCHESTER?

**World-class laboratory facilities**

**Strong focus on fieldwork and the practical application of theory**

**Geography taught at Manchester for over 120 years**

**Excellent graduate employment record**

**RAE 4\*15% 3\*50% 2\*30% 1\*5%**

Taught at Manchester for over a century, Geography today is a division of our School of Environment, Education and Development, located in a modern building equipped with custom-built Geography laboratories, IT clusters and student common room. We were placed joint 10th in the world and 6th in the UK for Geography in the QS World Rankings 2013.

We have been rated excellent for teaching and produce research of global excellence, with 65% of our research activity defined as 'world leading' or 'internationally excellent' in the 2008 RAE. Our international research expertise crosses diverse areas, such as economic geography, urban geography, political ecology, environmental change, upland hydrology, geographical information systems, geoarchaeology and water management.

We integrate our postgraduate programmes into our overall research ethos, which aims to produce both theoretically and policy-relevant contributions to geographical knowledge.

Our masters courses provide you with specialist training, laying the foundations for successful careers in the worlds of consultancy or policymaking, as well as providing preparation for PhD study.

Annual scholarships at PhD level are available from various funding bodies, including the ESRC and our own University.

The School also offers a £500 bursary to University of Manchester alumni with a first-class honours degree who enrol on one of our masters courses in Geography, International Development or Planning and Environmental Management.

## FIND OUT MORE...

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

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

+44 (0)161 275 0969

## TAUGHT COURSES

**Environmental Governance MSc**  
FT/PT

**Environmental Monitoring, Modelling and Reconstruction MSc**  
FT/PT

**Geographical Information Science MSc**  
FT/PT

## RESEARCH PROGRAMMES

**Geography: Human Geography MPhil/PhD**  
FT/PT

**Geography: Physical Geography MPhil/PhD**  
FT/PT

*See also International Development (IDPM) p86, and Planning and Environmental Management p117.*

# HISTORY

## WHY MANCHESTER?

**Cutting-edge course content, thanks to a global reputation for research**

**Particularly broad range of options, including various periods within and approaches to history**

**Vast archives of historical material, including rare volumes**

**RAE 4\*20% 3\*40% 2\*30% 1\*10%**

Postgraduate research in History at Manchester is stimulated by our interactive environment of high-profile historians working on cultural, social, economic and political research projects, in fields from the medieval to the late modern period.

You will benefit from renowned holdings in the John Rylands' Special Collections and numerous regional historical research assets, such as Chetham's Library, the Peoples History Museum and a fantastic array of museums and galleries. We have a highly successful record in securing outside PhD awards, as well as our own studentships, and we also offer sustained and material support with career development (e.g. through the Public History and Film-Making modules, access to work placements and, for postgraduate researchers, teaching assistantships).

Our History MA course, taught by leaders in their fields, offers advanced training in theoretical and conceptual approaches to the past – and, for those seeking it, a springboard for PhD research. The quality of our programmes has been recognised by an Arts and Humanities Research Council block grant of four to five awards annually for doctoral research, and three to four awards annually for our MA, complemented by various University awards.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**History MA**  
FT/PT

## RESEARCH PROGRAMMES

**History PhD**  
FT/PT

**History: Economic and Social History Integrated PhD**  
FT

*See also Humanitarianism, Conflict Response and Peacebuilding p85.*



# HUMANITARIANISM, CONFLICT RESPONSE AND PEACEBUILDING

## WHY MANCHESTER?

**Fosters increased understanding and debate within the fields of humanitarianism, conflict response and peacebuilding**

**Aims to optimise joint working between academics, NGOs and policy makers**

**Educates the next generation of academics, aid workers, and policy makers**

**RAE 4\*15% 3\*50% 2\*30%  
1\*5%**

Our Humanitarian and Conflict Response Institute (HCRI) brings together the disciplines of medicine and the humanities to provide a holistic approach which mirrors the reality of aid operations and informs the reflexive processes of both analytical and applied disciplines. HCRI facilitates improvements in crisis response on a global scale, while providing a centre of excellence for all those involved in the business of providing aid and making peace.

Led by the former President of Médecins Sans Frontières, Dr Rony Brauman, we aim to combine the research and teaching of academics and expert practitioners working across a broad range of disciplines to offer an exceptionally diverse learning environment. Our masters and doctoral programmes uniquely focus on responses to crises originating from both conflict zones and natural disasters.

## FIND OUT MORE...

[www.hcri.ac.uk](http://www.hcri.ac.uk)

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
Phdsalc@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Humanitarianism and Conflict Response MA**  
FT/PT

**International Disaster Management MA**  
FT/PT

**Peacebuilding MA**  
FT/PT

**Online Global Health MSc**  
(students progress via PG Cert/  
PG Dip/MSc courses)  
DL

**Continuing Professional Development courses**  
(accredited and/or certificated)

## RESEARCH PROGRAMMES

**Humanitarianism and Conflict Response PhD**  
FT/PT

# INTERNATIONAL DEVELOPMENT (IDPM)

## WHY MANCHESTER?

**UK's largest development studies department**

**Top-rated for research power in the 2008 RAE**

**Overseas fieldwork included in most programmes**

**Leading to careers in the public, private and NGO sectors and academia/ research**

**RAE 4\*20% 3\*45% 2\*35% 1\*0%**

The Institute for Development Policy and Management (IDPM) at Manchester is one of the world's leading centres for training and research on international development issues.

Our objective is to promote social and economic development and to reduce poverty, particularly within lower-income countries and for disadvantaged groups, by enhancing the capabilities of individuals and organisations through education, research and policy analysis.

Our teaching and research are of the highest quality; in the most recent Research Assessment Exercise (RAE 2008), 65% of our research activity was judged to be 'world leading' or 'internationally excellent'. Our graduates are employed by the world's major development agencies and universities, and many taught postgraduates proceed to PhD programmes.

Within a friendly and supportive atmosphere, we offer the services of a wide range of people specialising in development theory, the practical problems of policy formulation, planning and management, and the context of international development – all backed up by specialist library and computing facilities and more than 50 years of institutional experience. We have a large and diverse postgraduate population and an alumni network that stretches around the world.

IDPM is home to the Effective States and Inclusive Development Research Centre ([www.effective-states.org](http://www.effective-states.org)). We are also substantially involved in the work of the world-leading Brooks World Poverty Institute ([www.manchester.ac.uk/bwpi](http://www.manchester.ac.uk/bwpi)).

## FIND OUT MORE...

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

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

+44 (0)161 275 0969

## TAUGHT COURSES

**Competition, Regulation and Development MSc**  
FT/PT

**Development Economics and Policy MSc**  
FT/PT

**Development Finance MSc**  
FT/PT

**Development Studies MA**  
FT/PT

**Development Studies (Research Training) MA**  
FT/PT

**Global Urban Development and Planning MSc**  
FT/PT

**Globalisation and Development MSc**  
FT/PT

**Human Resource Development (International Development) MSc**  
FT/PT

**Human Resource Management (International Development) MSc**  
FT/PT

**Human Resource Management and Development (International Development) by Distance Learning MSc**

DL

**ICTs for Development MSc**

FT/PT

**Industry, Trade and Development MSc**

FT/PT

**International Development: Development Management MA**

FT/PT

**International Development: Economics and Management of Rural Development MSc**

FT/PT

**International Development: Environment and Development MA**

FT/PT

**International Development: Politics and Governance MA**

FT/PT

**International Development: Poverty, Conflict and Reconstruction MA**

FT/PT

**International Development: Public Policy and Management MA**

FT/PT

**International Development: Social Policy and Social Development MA**

FT/PT

**Management and Implementation of Development Projects MSc**

FT/PT

**Management and Information Systems: Change and Development MSc**

FT/PT

**Management and Information Systems: Change and Development MSc by Distance Learning**

DL

**Organisational Change and Development MSc**

FT/PT

**Poverty and Development MSc**

FT/PT

## RESEARCH PROGRAMMES

**Development Policy and Management MPhil/PhD**

FT/PT

*See also Geography p83, Humanitarianism, Conflict Response and Peacebuilding p85, Manchester Business School p94, and Planning and Environmental Management p117.*

“No other institution could provide me with such an excellent environment and support network to carry out my PhD research ... I’m surrounded by world-class researchers on world poverty and I’m happy to be a part of IDPM’s vivid PhD community.”

**Philipp Horn**

PhD Development Policy and Management

# LATIN AMERICAN AND CARIBBEAN CULTURAL STUDIES

## WHY MANCHESTER?

### Top-rated for research

**One of Europe's largest teams of Latin-Americanists and Caribbeanists**

**Excellent breadth and depth of expertise**

**RAE 4\*30% 3\*45% 2\*20% 1\*5%**

Our large team of Latin-Americanists and Caribbeanists come from a wide array of disciplines and departments: cultural studies, social anthropology, literature and linguistics, history and art history, geography, drama and screen studies, political sciences, development studies, economics, and business. We co-ordinate research projects across disciplinary, institutional and national boundaries, providing a fuller understanding of the Latin American and Caribbean regions and of the broader relations between north and south in the context of contemporary cultural, political and economic globalisation.

The Centre for Latin American and Caribbean Studies is our focal point for the diverse and geographically dispersed research activities associated with Latin America and the Caribbean across the University. Academics in Social Anthropology and Spanish, Portuguese and Latin American Studies co-direct the Centre. Staff associated with us also supervise MA and PhD students in this field, who are attracted by our interdisciplinary approach.

The most recent RAE rating for Iberian and Latin American Languages placed us at the top of the national league tables, with 75% of our research activity rated 'world-leading' or 'internationally excellent'.

Our excellent facilities include the Centre for Graduate Studies, dedicating space for postgraduate students, and the comprehensive holdings of The University of Manchester Library.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Languages and Cultures (research route; Latin American Studies pathway) MA**  
FT/PT

## RESEARCH PROGRAMMES

**Latin American Cultural Studies MPhil/PhD**  
FT/PT

*See also European Languages and Cultures p81.*

# LAW

## WHY MANCHESTER?

**Highly prestigious law school**

**Cutting-edge, interdisciplinary research centres**

**One of the best law libraries in the country**

**Ranked among the top 2% in the country for graduate job prospects**

**RAE 4\*30% 3\*45% 2\*20% 1\*5%**

Incorporating specialist research centres:

- Centre of Criminology and Criminal Justice
- Institute for Law, Economy and Global Governance
- Centre for Social Ethics and Policy
- Centre of International and Transnational Law
- Regulation, Security and Justice Research Centre
- Institute for Science Ethics and Innovation (directed by Professor John Harris and chaired by Nobel Laureate Sir John Sulston)
- Sustainability, Policy and Regulation Research Centre

We have one of the oldest and most prestigious law schools in the country, with a major international reputation. Since our inception, we have been at the forefront of legal and public policy formation and development, and many of

our graduates and staff have played central roles in public life.

Our School of Law is a research-led teaching centre, which includes not only lawyers, but also criminologists and ethicists. We have considerable strengths in common and public law, International Economic Law (broadly speaking), jurisprudence, international law, EU law, commercial law, intellectual property, corporate governance, medical law, bioethics, criminal law, criminal justice and criminology, law and economics, law and development, and regulation.

Significant interdisciplinary strengths are enhanced by: the Centre for Social Ethics and Policy, which conducts cutting edge medical ethical research; the Centre of International and Transnational Law, the Centre of Criminology and Criminal Justice; and the Institute for Science, Ethics and Innovation.

You have access to one of the best law libraries in the country, a wide variety of web-based resources and our School's active seminar programmes. All research students receive formal training in research methods and research skills.

## FIND OUT MORE...

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

For taught courses:  
pg-law@manchester.ac.uk  
+44 (0)161 306 1270

For research programmes:  
research-law@manchester.ac.uk  
+44 (0)161 306 1279

Centre for Social Ethics and Policy:  
rebecca.bennett@manchester.ac.uk

## TAUGHT COURSES

### LLM FT

#### LLM streams available:

General  
Corporate Governance  
Intellectual Property  
International Business and Commercial Law  
International Financial Law  
International Trade Transactions  
Law and Development  
Public International and European Law

### Health Care Ethics PGCert FT/DL

### Health Care Ethics and Law LLM FT/PT/DL

### Health Care Ethics and Law MA/ PGDip FT/PT/DL

### Health Care Ethics and Law MSc (Intercalated) FT

### Health Care Law PGCert FT/DL

### Law and Development MA FT/PT

### New streams to be introduced from 2014

Security and International Law  
Transnational Dispute Resolution  
Public International Law

## RESEARCH PROGRAMMES

### Bioethics and Medical Jurisprudence PhD FT/PT

### Law MPhil/PhD FT/PT

*See also Criminology and Criminal Justice p66.*



# LIFE SCIENCES

## WHY MANCHESTER?

One of the top three UK universities for life sciences research

Over £170 million spent on buildings and facilities

150+ active research labs

Biological Sciences  
RAE 4\*25% 3\*40% 2\*30%  
1\*5%

Pre-Clinical and Human  
Biological Sciences  
RAE 4\*20% 3\*45% 2\*35%  
1\*0%

“I have gained a wealth of knowledge, invaluable experiences and have truly felt myself develop academically and personally. What I’ve enjoyed is the fact that there is always something going on and I’ve particularly cherished opportunities for networking and public engagement. Being a postgraduate student is very different to being an undergraduate here; you get a feel that you are now in the ‘real world’ where your contribution makes a difference and you now have to take charge of your own learning at a new level.”

**Sundas Chohan**  
PhD Cell Biology

One of Europe’s largest and most successful research and teaching organisations of its kind, our Faculty of Life Sciences proudly fosters a scientific culture in which there are no traditional barriers between research disciplines. Shared expertise and the development of new technologies enable us to approach important bioscience problems using novel and innovative methods.

Postgraduate opportunities span all fields of life sciences, from the molecule to the cell, to the whole organism and environments.

## FACILITIES

We have invested more than £170 million in purpose-built buildings and facilities over the last decade. These include the £61 million Michael Smith Building, the £38 million Manchester Interdisciplinary Biocentre, the £32 million Core Technology Facility, and the £39 million AV Hill Building that houses a world-class neuroscience research facility.

Our Faculty research takes place within superb core facilities, all staffed by experimental officers and technical staff who are able to provide expert advice, guidance and experimental assistance.

These facilities include: Bioimaging, Bioinformatics, Biomolecular Analysis, DNA Sequencing, Electron Microscopy, Fast Reaction Facility, Fermentation, Flow Cytometry, Fly Facility, Genomic Technologies, Histology, Macromolecular X-ray Crystallography, NMR, Protein Expression and Transgenics.

We are also home to a number of internationally renowned research centres and institutes. Receiving significant long-term funding, these centres of excellence form a focus for intra- and inter-university collaborative research.

## COURSES AND PROGRAMMES

We offer PhD projects from a range of exciting and challenging research themes that reflect the research undertaken in our Faculty. Three to four-year PhD programmes are tailored to suit students with different levels of research experience, and you will be carefully matched with a supervisor of your choice. We also offer MPhil programmes across the whole research disciplines within the Faculty. We have a number of Research Council, charity and industry-funded studentships available each year for the most outstanding applicants. Plus, some of our funded PhD programmes offer the opportunity for three-month external placements outside of the lab, giving you valuable insight and experience into careers available after your PhD.

We offer MRes and specialist MSc courses in key areas designed to prepare you for further PhD study, or for a career in industry. Several of our courses offer the opportunity to undertake projects with our partners in industry, allowing you to gain commercial insight and enhance your employability.

Progression throughout your studies is supported by our innovative online system, eProg, which clearly sets out milestones and achievements. Combining progression monitoring with a log of training activities ensures that you are empowered with the tools and skills to successfully complete your research.

## CAREER OPPORTUNITIES

Whatever your degree type or subject area, our graduate training programme provides you with a variety of research and transferable skills that will benefit all of the diverse career paths that life sciences graduates embark on.

Many students go on to have successful academic research careers, while others go into industrial research positions within pharmaceutical and biotechnology companies. Some embark on media and communications, teaching, and academic administration careers, or careers within the public and environmental sector.

## FIND OUT MORE...

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

For taught courses:  
[pgtaught.lifesciences@manchester.ac.uk](mailto:pgtaught.lifesciences@manchester.ac.uk)  
 +44 (0)161 275 5032

For research programmes:  
[pgresearch.lifesciences@manchester.ac.uk](mailto:pgresearch.lifesciences@manchester.ac.uk)  
 +44 (0)161 275 5608

## TAUGHT COURSES

**Applications in Environmental Science MSc**  
 FT

**Biochemistry MSc**  
 FT

**Bioinformatics and Systems Biology MSc**  
 FT

**Biological Sciences MRes**  
 FT

**Biotechnology and Enterprise MSc**  
 FT

**Cancer Research and Molecular Biomedicine MSc**  
 FT

**Cell Biolgy MSc**  
 FT

**Developmental Biology MSc**  
 FT

**History of Science, Technology and Medicine MSc (including Science Communication)**  
 FT

**Integrative Biology MRes**  
 FT

**Molecular Parasitology and Vector Biology MSc**  
 FT

**Neuroscience MSc**  
 FT

**Plant Sciences MSc**  
 FT

## RESEARCH PROGRAMMES

**Adaptive Organismal Biology PhD/MPhil**  
 FT/PT

**Animal Biology PhD/MPhil**  
 FT/PT

**Biochemistry PhD/MPhil**  
 FT/PT

**Bioinformatics PhD/MPhil**  
 FT/PT

**Biomolecular Sciences PhD/MPhil**  
 FT/PT

**Biotechnology PhD/MPhil**  
 FT

**Biotechnology and Enterprise  
PhD**

FT/PT

**Cell Biology PhD/MPhil**

FT/PT

**Cell Matrix Research PhD/MPhil**

FT/PT

**Channels and Transporters  
PhD/MPhil**

FT/PT

**Developmental Biology PhD/  
MPhil**

FT/PT

**Egyptology PhD/MPhil**

FT/PT

**Environmental Biology PhD/  
MPhil**

FT/PT

**Evolutionary Biology PhD/MPhil**

FT/PT

**Gene Expression PhD/MPhil**

FT/PT

**Genetics PhD/MPhil**

FT/PT

**History of Science, Technology  
and Medicine PhD/MPhil**

FT/PT

**Immunology PhD/MPhil**

FT/PT

**Integrative Neurobiology and  
Behaviour PhD/MPhil**

FT/PT

**Membrane Trafficking PhD/  
MPhil**

FT/PT

**Microbiology PhD/MPhil**

FT/PT

**Molecular and Cellular  
Neuroscience PhD/MPhil**

FT/PT

**Molecular Biology PhD/MPhil**

FT/PT

**Molecular Cancer Studies PhD/  
MPhil**

FT/PT

**Neuroscience PhD/MPhil**

FT/PT

**Ophthalmology PhD/MPhil**

FT/PT

**Optometry PhD/MPhil**

FT/PT

**Organelle Function PhD/MPhil**

FT/PT

**Pharmacology PhD/MPhil**

FT/PT

**Physiology PhD/MPhil**

FT/PT

**Plant Sciences PhD/MPhil**

FT/PT

**Science Ethics PhD/MPhil**

FT/PT

**Stem Cell Research PhD/MPhil**

FT/PT

**Structural Biology PhD/MPhil**

FT/PT

**Systems Neuroscience PhD/  
MPhil**

FT/PT

**Toxicology PhD/MPhil**

FT/PT

# LINGUISTICS AND ENGLISH LANGUAGE

## WHY MANCHESTER?

**Distinguished for theoretical and empirical breadth**

**Wide range of languages and varieties of English**

**Research with relevance to local communities**

**Site for many international rotating conferences and the annual Manchester Phonology Meeting**

**English Language and Literature**

**RAE 4\*30% 3\*45% 2\*25% 1\*0%**

**Linguistics**

**RAE 4\*10% 3\*45% 2\*35% 1\*10%**

We boast a leading international role in several fields within the discipline of Linguistics and English Language, including the linguistics of English and the study of endangered languages. The most recent Research Assessment Exercise (RAE 2008) judged more than half of our Linguistics and English Language work to be 'world-leading' or 'internationally excellent'.

We are committed to extending and deepening the understanding of natural language by fostering an environment that is favourable to empirical research on all aspects

of linguistic theory. Because we believe it is important to work from a solid empirical base, we particularly encourage fieldwork on living languages and careful study of historical and modern corpora by both staff and students.

We also believe that it is important to study language in its social and cultural context and several of our staff are engaged in research on variation and its social conditions such as class, gender, age. The diverse local communities in Manchester provide an ideal site for carrying out research on such variation as well as multilingualism.

At the same time, all our staff are committed to an understanding of the nature of human language based on serious theoretical reflection. We believe that a thriving discipline will offer a range of theoretical perspectives. Current staff regularly teach and conduct research in phonetics, phonology (especially optimality theory), morphology, syntax (lexical-functional grammar, role and reference grammar, minimalism and construction grammar), semantics, pragmatics, historical linguistics (especially English, Romance and Germanic), language contact, typology, language documentation, sociolinguistics, and corpus linguistics. Members of our discipline have published significant studies in each of these areas.

Among our excellent resources is a phonetics laboratory, with facilities for signal analysis, speech synthesis, ultrasound, laryngography and electropalatography, and a lab with facilities for production,

comprehension and artificial language learning studies. We also possess a large and diverse collection of linguistic corpora and tools for computational linguistic analysis.

## FIND OUT MORE...

[www.alc.manchester.ac.uk/subjects/lel](http://www.alc.manchester.ac.uk/subjects/lel)

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**English Language MA**  
FT/PT

**Languages and Linguistics MA**  
FT/PT

**Linguistics MA**  
FT/PT

**Linguistics and English Language Integrated MA/PhD**  
FT/PT

## RESEARCH PROGRAMMES

**English Language PhD**  
FT/PT

**Linguistics PhD/MPhil**  
FT/PT

# MANCHESTER BUSINESS SCHOOL (MBS)

## WHY MANCHESTER?

**UK's leading centre for business research (RAE 2008)**

**The UK's first business school (established 1965)**

**Doctoral programme ranked world first for a third consecutive year by the Financial Times in 2013 (as part of its Global MBA ranking).**

**One of a select group of triple-accredited business schools (AACSB International, AMBA – Association of MBAs, and EQUIS)**

**RAE 4\*25% 3\*40% 2\*30% 1\*5%**

Both students and business come to us when they need to develop cutting-edge business expertise. As one of the top five business schools in the UK (Financial Times 2013), with a world-class reputation for outstanding teaching and research, we are ideally placed to work with them.

The Financial Times rated our doctoral programme first in the world in 2008, 2009, 2011, 2012 and 2013. The most recent RAE positioned us as the UK's leading centre for business research, while our teaching is rated 'excellent' by the Quality Assurance Agency and the UK government funding body (HEFCE).

Our masters courses provide you with the skills to think with originality, give you the chance to mix with students from over 70 nations, and help you shape your career in the direction of your choice.

Manchester's full-time MBA programme – ranked 29th in the world by the FT – offers experienced business professionals the chance to work on a variety of live consultancy projects and undertake an internship, while our links with over 35 international institutions give our students on the MBA and two MSc courses the opportunity to spend a semester abroad.

We adopt an international perspective across all our programmes, so you will learn to work with different cultures – a critical skill in the contemporary international business environment. Our part-time Global MBA programme, designed for executives who do not want to put their career on hold, is delivered across our six centres in Dubai, Singapore, Hong Kong, Shanghai, USA and Brazil.

Some of our masters courses are accredited by professional bodies, such as the Chartered Institute of Personnel and Development (our two MSc Human Resource Management and Industrial Relations courses), and the British Psychological Society (MSc Organisational Psychology). The Chartered Financial Analyst Institute has awarded partnership status to MSc Accounting and Finance and MSc Finance.

Our doctoral programme is the largest business and management programme of its kind in a UK business school, recognised by the award of prestigious UK Research Council scholarships. The School plays a full part in the Economic and Social Research Council North West Doctoral Training Centre, providing cross-institutional training and supervision for doctoral students with the universities of Lancaster and Liverpool.

In our research-led school, academics regularly publish in top international journals. Our Accounting and Finance Group was the first of its kind in Europe to be recognised by the EU as a (Marie Curie) Registered Early Training Doctoral Research Site.

Our academics regularly contribute to the international media, including the BBC, Financial Times, The Wall Street Journal, The Economist and Sky News. And it's not just our academics that make the news: MSc Organisational Psychology graduate Ashley Thomas was recently profiled in The Guardian talking about how his time at MBS helped his career.

MBS is well connected and we frequently welcome some of the world's most influential business leaders to our School; recently Sir Terry Leahy, former chief executive of Tesco; RBS's Stephen Hester, Co-Founder and Chief Executive of Ocado Tim Steiner, and former Asda boss Allan Leighton, have shared their experiences with students and staff.



“The awareness of customer behaviour and the retail market, and the practical skills I gained have been invaluable. I now work for a global company and benefit from an ability to work across cultures, which stemmed from the multicultural peer group I had throughout my time with MBS. During my studies I began to consider how to best develop professionally, and I learnt useful tricks for writing and building a personal development plan.”

**Clare Douglas**  
MSc Marketing

Generous funding from Eddie Davies OBE, owner of Bolton Wanderers FC, continues to support innovation. Our Manchester Enterprise Centre offers enterprise units and degree programmes in addition to extracurricular activities for students, researchers and post-doctorates from across the University. The Centre also runs an annual Venture Further business start-up competition, helping budding entrepreneurs set up their own businesses.

## FIND OUT MORE...

[www.mbs.ac.uk/programmes](http://www.mbs.ac.uk/programmes)

For masters courses:  
[pg@mbs.ac.uk](mailto:pg@mbs.ac.uk)  
+44 (0)161 306 1339

For doctoral research programmes:  
[pgresearch@mbs.ac.uk](mailto:pgresearch@mbs.ac.uk)  
+44 (0)161 275 1200

For the full-time MBA programme:  
[mba@mbs.ac.uk](mailto:mba@mbs.ac.uk)  
+44 (0)161 275 6414

For part-time MBA programmes:  
[global@mbs.ac.uk](mailto:global@mbs.ac.uk)  
+44 (0)161 275 7212

For enterprise courses:  
[enterprise@mbs.ac.uk](mailto:enterprise@mbs.ac.uk)  
+44 (0)161 306 8487

## TAUGHT COURSES

**Accounting and Finance MSc**  
FT

**Business Analytics: Operational Research and Risk Analysis MSc**  
FT

**Business Administration: full-time MBA**  
FT

**Chinese Business and Management MSc**  
FT

**Corporate Communications and Reputation Management MSc**  
FT

**Finance MSc**  
FT

**Finance and Business Economics MSc**  
FT

**Global Business Analysis MBus**  
FT

**Human Resource Management and Industrial Relations MSc**  
FT

**Human Resource Management and Comparative Industrial Relations (International) MSc**  
FT

**Information Systems: Business Information Technology MSc**  
FT

**Information Systems: e-Business Technology MSc**  
FT

**Information Systems: Organisations and Management MSc**  
FT

**Innovation Management and Entrepreneurship MSc**  
FT/PT

**International Business and Management MSc**  
FT

**Management MSc**  
FT

**Managerial Psychology MSc**  
FT/PT

**Marketing MSc / Marketing (Specialism) MSc**  
FT

**Master of Enterprise MEnt**  
FT/PT

**Operations, Project and Supply Chain Management MSc**  
FT

**Organisational Psychology MSc**  
FT/PT

**Quantitative Finance: Financial Engineering MSc**  
FT

**Quantitative Finance: Risk Management MSc**  
FT

**The Manchester Global MBA**  
PT

**The Manchester Global MBA (Finance pathway)**  
PT

**The Manchester Global MBA (Engineering pathway)**  
PT

**The Manchester Global MBA (Project Management pathway)**  
PT

## DOCTORAL RESEARCH PROGRAMMES

**Doctor of Business Administration DBA**  
PT

**Doctor of Enterprise EntD**  
FT/PT

**Doctor of Philosophy PhD**  
FT/PT

**Master of Philosophy MPhil**  
FT/PT

**Master of Research MRes**  
FT/PT

*See also Economics p72, International Development (IDPM) p86 and Politics p118.*

# MATERIALS

## WHY MANCHESTER?

**Exceptional breadth of research and training**

**World-class facilities**

**Industrially driven degree programmes**

**Excellent career prospects**

**RAE 4\*20% 3\*60% 2\*15% 1\*5%**

Materials are at the heart of the modern world, and we are at the forefront of developing the science behind them. At our School, we encompass a unique and exceptional breadth of research and training in materials engineering, science and technology – biomaterials, ceramics, nanostructured materials, polymers, technical textiles, ceramics and glasses, corrosion and protection, metallic materials and composites – and in cutting-edge textile design, fashion, retailing and management.

These activities are built on our global reputation for excellence and award-winning research. We are supported by leading research councils and organisations worldwide, many of which have funded specialist research centres (the Materials Performance Centre and the Northwest Composites Centre); an EPSRC Programme Grant, LATEST 2 (Light Alloys Towards Environmentally Sustainable Transport Second Generation); and our Centre for Doctoral Training in Advanced Metallic Systems.

Industry drives the development of our programmes, ensuring a sought-after qualification with transferable skills to prepare you for your chosen career. Our alumni enjoy challenging careers in industry and academia, and we invite many to work alongside us in our strategic development, ensuring that we retain our international standing as a centre of excellence and innovation in the materials sector.

At an exciting time in the materials world, with our graduates in high demand and an unrivalled range of postgraduate programmes, the opportunities for you are endless.

## FIND OUT MORE...

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

[pg-materials@manchester.ac.uk](mailto:pg-materials@manchester.ac.uk)

+44 (0)161 306 5777

## TAUGHT COURSES

**Advanced Engineering Materials MSc/PGDip/PGCert**  
FT/PT

**Biomaterials MSc**  
FT

**Corrosion Control Engineering MSc/PGDip/PGCert**  
FT/PT

**International Fashion Retailing MSc**  
FT

**International Fashion Retailing (Business Process Improvement) MSc**  
FT

**International Fashion Retailing (Multichannel Marketing) MSc**  
FT

**Polymer Materials Science and Engineering MSc/PGDip/PGCert\***  
FT

**Textile Technology MSc/PGDip/PGCert**  
FT/PT

**Textile Technology (Technical Textiles) MSc**  
FT/PT

## RESEARCH PROGRAMMES

**Advanced Aerospace Materials Engineering MSc by Research**  
FT/PT

**Biomedical Materials PhD/MPhil/MSc by Research**  
FT/PT

**Ceramics and Glasses PhD/MPhil/MSc by Research**  
FT/PT

**Composite Materials PhD/MPhil/MSc by Research**  
FT/PT

**Corrosion and Protection PhD/MPhil/MSc by Research**  
FT/PT

**Materials EngD/EntD**  
FT

**Materials MEnt/PhD/MPhil/MSc by Research**  
FT/PT

**Metallic Materials PhD/MPhil/MSc by Research**  
FT/PT

**Nanostructured Materials PhD/MPhil/MSc by Research**  
FT/PT

**Paper Science PhD/MPhil/MSc by Research**  
FT/PT

**Polymer Science and Engineering PhD/MPhil/MSc by Research**  
FT/PT

**Technical Textiles MSc by Research**  
FT/PT

**Textile Design, Fashion and Management PhD/MPhil/MSc by Research**  
FT/PT

**Textile Science and Technology PhD/MPhil/MSc by Research**  
FT/PT

**Textiles and Fashion MEnt**  
FT

*\*Offered jointly with our School of Chemistry*

*See also Engineering for Manufacture p78.*

# MATHEMATICS

## WHY MANCHESTER?

**Sixth in the country for research power**

**New, purpose-built mathematics building**

**Comprehensive coverage of subject**

**Applied Mathematics**  
RAE 4\*25% 3\*35% 2\*40% 1\*0%

**Pure Mathematics**  
RAE 4\*20% 3\*40% 2\*35% 1\*5%

**Statistics and Operational Research**  
RAE 4\*20% 3\*35% 2\*30% 1\*15%

Our School of Mathematics is a major international research centre that covers the entire breadth of the subject, including pure and applied mathematics, probability and statistics. We have a long and distinguished history in both teaching and research, and our graduates are influential in many spheres of activity worldwide. We are proud of our lively and diverse postgraduate research community and aim to attract the very best mathematicians to Manchester from all over the world.

We ranked sixth highest in the country in the most recent Research Assessment Exercise, based on the research power ratings of our three disciplines: Pure Mathematics, Applied Mathematics, and Statistics and Operational Research (see RAE above).

Our staff receive many accolades: we currently have two Fellows of the Royal Society and one Fellow of the British Academy on our academic staff. Many celebrated mathematicians, including Osborne Reynolds, James Lighthill, Louis Mordell, Alan Turing, Kurt Mahler and Paul Erdős, have worked here.

Through the Manchester Institute for Mathematical Sciences, we host an extensive programme of research seminars from a wide range of speakers, providing ample opportunity for furthering knowledge and discussing current research from all areas of mathematics.

Our School disburses around £1 million per annum towards the funding of postgraduate students, including over £500,000 of EPSRC funding, and substantial funding from other institutions, including the European Commission.

Mathematics is located in a new, purpose-built and centrally located building: an excellent environment for world-class research and teaching.

## FIND OUT MORE...

[www.manchester.ac.uk/math/postgraduate/pgadmission](http://www.manchester.ac.uk/math/postgraduate/pgadmission)

[pg-maths@manchester.ac.uk](mailto:pg-maths@manchester.ac.uk)

+44 (0)161 275 5802

+44 (0)161 275 0176

## TAUGHT COURSES

**Actuarial Science MSc**  
FT/PT

**Applied Mathematics MSc**  
FT/PT

**Applied Mathematics with Industrial Modelling MSc**  
FT/PT

**Applied Mathematics with Numerical Analysis MSc**  
FT/PT

**Mathematical Finance MSc\***  
FT

**Pure Mathematics and Mathematical Logic MSc**  
FT/PT

**Statistics MSc**  
FT/PT

**Statistics MSc (Financial Statistics)**  
FT/PT

## RESEARCH PROGRAMMES

**Actuarial Science PhD**

FT/PT

**Applied Mathematics PhD**

FT/PT

**Financial Mathematics PhD**

FT/PT

**Mathematical Logic PhD**

FT/PT

**Mathematics EngD\***

FT

**Mathematics MEnt**

FT/PT

**Numerical Analysis PhD**

FT/PT

**Probability PhD**

FT/PT

**Pure Mathematics PhD**

FT/PT

**Statistics PhD**

FT/PT

*\*Offered jointly with Manchester Business School*

# MECHANICAL ENGINEERING

## WHY MANCHESTER?

**Highly rated for research**

**World-class facilities**

**Alumni in top jobs in industry and research**

**RAE 4\*20% 3\*50% 2\*30% 1\*0%**

Manchester offered the first engineering degree of its kind, and we can lay claim to some of the most significant discoveries in the field. Perhaps the most famous is the Reynolds Number, named after the father of fluid mechanics and Manchester's first Professor of Engineering, Osborne Reynolds.

Today, the School of Mechanical, Aerospace and Civil Engineering is one of Europe's leading schools of engineering. Our diverse and truly international community creates a stimulating and challenging learning environment that produces world-class professionals and achieves outstanding standards in research. We rank third in the UK for research power and our combined record of excellence is among the strongest in the country.

Our taught courses are designed to support both research activities and industrial needs that reflect the unique strengths of the

academic interest groups within our School. Topics you could specialise in include: the fundamentals and management of manufacturing processes and systems; management and maintenance engineering; engineering analysis combined with creative design synthesis; the analysis of heat and fluid flow systems using analytical and state-of-the-art computational and experimental methods; and the manufacture of pharmaceutical products.

Dedicated research themes in our School include: Aerospace; Bio-Engineering; Bioenergy and Biomass; Climate Change; Dating of Fired Clay Ceramics RHX; Infrastructure; Innovative Manufacturing; Management of Projects; Modelling and Simulation; Nuclear; and Offshore Renewable Energy.

On top of this, we have expert groups focusing on research activity in the following areas: Advanced Flow Diagnostics and Instrumentation; Bioengineering; Built Environment; Coastal Processes; Computational Fluid Dynamics; Construction Science; Dynamics and Aeroelasticity; Energy and Multiphysics; Experimental Aerodynamics; Geo-Engineering; Impact and Explosion; Management of Projects; Marine Energy; Nuclear Graphite; Reliability, Availability, Maintenance and Safety; Smoothed Particle Hydrodynamics; Structures and Fire; and Turbulence Mechanics.



## FIND OUT MORE...

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

[pg-mace@manchester.ac.uk](mailto:pg-mace@manchester.ac.uk)

+44 (0)161 306 9219

## TAUGHT COURSES

**Advanced Manufacturing Technology and System Management MSc**  
FT

**Maintenance Engineering and Asset Management MSc/ PGDip/PGCert**  
FT/PT/DL

**Mechanical Engineering Design MSc**  
FT

**Thermal Power and Fluid Engineering MSc**  
FT

## RESEARCH PROGRAMMES

**Advanced Manufacturing Technology MEnt**  
FT

**Mechanical, Aerospace and Civil Engineering EngD**  
FT

**Mechanical Engineering PhD/ MPhil**  
FT/PT

**Mechanical Engineering MSc by Research**  
FT

**Mechanical Engineering Design MEnt**  
FT

# MEDICINE

## WHY MANCHESTER?

**One of the most established and successful schools for medical research and clinical training**

**Diverse range of programmes to suit the needs of scientists, clinicians and health professionals**

**Focus on improving clinical services and patient care**

**Outstanding links with National Health Service trusts reflected in a recent £12.5m investment for clinical research in Manchester**

Biomedical postgraduate training within our University has undergone a transformation following the creation of our six new Institutes:

- Brain, Behaviour and Mental Health
- Cancer
- Cardiovascular Sciences
- Human Development
- Inflammation and Repair
- Population Health

In partnership with the Manchester Academic Health Science Centre (MAHSC), these new institutes reflect our priorities for 'bench to bedside' research and training into 2014 and beyond.

Our postgraduate taught programmes provide cutting-edge professional training to aid

career development. Certificate/diploma options exist to allow health professionals to gain intensive grounding in subjects as varied as forensic mental health and occupational hygiene. Our suite of masters courses include areas such as Clinical Biochemistry, Psychiatry and Medical Microbiology. Our Master of Research (MRes) programmes are designed to give you a real taste of research and what is required of a professional researcher. We offer the MRes in subjects such as tissue engineering, maternal health and genetic medicine.

The research training we provide (MPhil/MD/PhD) reflects our dedication to improving understanding of disease processes, diagnosis and enhanced patient care. From investigating the origins of diseases at molecular level through to identifying pharmacological and health service interventions, our postgraduate researchers play a pivotal role. We encourage our research students to have authorship on eminent publications, present at conferences and actively engage with the wider research community in order to improve skills development and career prospects.

Research postgraduates also benefit from our Times Higher award-winning Careers Service, graduate training and skills development support. We act as the North West hub for 'Vitae', providing an outstanding network of early-career researchers with which to share advice and good practice.

## FIND OUT MORE...

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

[pg.medicine@manchester.ac.uk](mailto:pg.medicine@manchester.ac.uk)

+44 (0)161 275 1463

## TAUGHT COURSES

**Applied Mental Health PGCert**  
PT

**Cardiovascular Health and Disease MRes**  
FT

**Clinical Biochemistry MSc**  
FT

**Clinical Research MCLin Res/PGDip Clin Res**  
FT/PT/DL

**Clinical Research PGCert Clin Res**  
PT/DL

**Clinical Rheumatology MSc**  
PT

**Digital Biology MSc\***  
FT

**Forensic Mental Health MSc/PGDip**  
PT 3 yrs

**Genetic Counselling MSc**  
FT 2yrs

**Genetic Medicine MRes**  
FT

**Health Care Ethics and Law MA/PGDip\*\***  
FT/PT

**Investigative Ophthalmology and Vision Science MSc**  
FT/PT

**Maternal and Fetal Health MRes**  
FT

**Medical Education MSc/PGDip/PGCert**  
PT

**Medical Imaging MSc/PGDip**  
FT/PT

**Medical Microbiology MSc/PGDip**  
FT/PT

**Medical Mycology MSc/PGDip/PGCert**  
FT/PT

**Medical Sciences MRes**  
FT

**Medical Virology MSc/PGDip**  
FT/PT

**Occupational Hygiene MSc/PGDip/PGCert**  
PT/DL

**Occupational Medicine MSc/Advanced PGDip/PGCert**  
PT/DL

**Oncology MRes**  
FT

**Primary Care MRes**  
FT/PT/DL

**Psychiatry (blended learning) MSc/PGDip**  
PT

**Public Health MRes/MPH/PGDip/PGCert**  
FT/PT/DL

**Tissue Engineering for Regenerative Medicine MRes**  
FT

**Translational Medicine: Interdisciplinary Molecular Medicine MRes/PGCert**  
FT

*\*Run jointly with our School of Computer Science*

*\*\*Run jointly with our School of Law*

## RESEARCH PROGRAMMES

**Medicine MPhil/PhD**  
FT/PT

**MD**  
FT/PT

**ChM**  
FT/PT

**Brain, Behaviour and Mental Health**

**Cancer Sciences**

**Cardiovascular Sciences**

**Human Development**

**Inflammation and Repair**

**Population Health**

**Imaging**

**Musculoskeletal**

**Respiratory and Allergy**

For more information on research training opportunities, see our website. Research study applicants should select PhD/MD/MPhil Medicine initially and provide detail on your proposed study area, or academic supervisor.

*See also Humanitarianism, Conflict Response and Peacebuilding p85.*

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## EVER- BROADENING HORIZONS

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“Research is always evolving – I started in developmental biology and now I’m working in disease process. I see that going on for quite a number of years, but surely it’ll evolve and we’ll find new things. Wherever that takes me, I hope I’ll still be in Manchester at that time.”



## Dr Karen Piper-Hanley Lecturer in Molecular Medicine

**Karen has supervised PhD, MRes and even BSc students across a range of medical research projects. She believes this breadth is something that she'd only be able to find at Manchester.**

"Manchester has such a wonderful breadth of research. I moved up from The University of Southampton about five years ago. There were several universities which were becoming interested, but for me there was only one that I wanted to come to and that was Manchester.

"The standard of lecturers and the exposure to other researchers that you will find at Manchester is phenomenal. The fact we have Nobel Prize winners on our staff – even if they're outside your immediate research environment, you can't help but feel inspired by their stories.

"This is the place to come for facilities. They are run very well. Our Faculty is forward thinking, you can see its vision – new things are always developing, and it'll try and get some funding to put some infrastructure together. The research facilities are wonderful and they are constantly being upgraded. You'll be working in some of the best labs in the country.

"My point of view is you have got to be interested in what you come here to do. When you're deciding on a course or programme, you've got to get out there and find something that's right for you. Knock on a few doors; have a look on our website and see who is running the course or research that you want to do. See if you can get involved in it – and if someone says "no" the first time round then have another go!"

# MENTAL/ PUBLIC HEALTH

## WHY MANCHESTER?

**Specialist postgraduate training in areas as diverse as forensic mental health, old age psychiatry and primary care**

**Manchester hosts one of the most extensive centres for psychiatric research in the UK**

Manchester has strong established teaching in both mental and public health related subjects. Our training provision attracts health professionals seeking postgraduate opportunities, including online programmes that cater for those wishing to study from home while continuing to develop their careers.

Our PhD students play a key role in our research output. We encourage authorship on eminent publications, presentation at conferences and engagement with the wider community, to improve your skills development and career prospects.

## Mental health

Within our wide range of mental health-related training, most postgraduate programmes are aimed at health and social work professionals already working in mental health. New programmes in forensic mental health access teaching from psychiatry, social work and nursing. We also offer you opportunities to progress on to PhD training.

## Public health

We host two well-established programmes in public health and occupational medicine and hygiene. Our Master of Public Health and its sister programmes in Dentistry and Pharmacy are modular and entirely online, and so are ideal for students wishing to further their knowledge of public health as well as those interested in research and academic careers. The Occupational Medicine and Hygiene programmes are also delivered predominantly online.

## FIND OUT MORE...

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

[www.population-health.manchester.ac.uk](http://www.population-health.manchester.ac.uk)

[www.manchester.ac.uk/pharmacy/postgraduate/taught](http://www.manchester.ac.uk/pharmacy/postgraduate/taught)

[pg.medicine@manchester.ac.uk](mailto:pg.medicine@manchester.ac.uk)

+44 (0)161 275 1463

## TAUGHT COURSES

**Advanced Practice Interventions for Mental Health (APIMH) PGDip/MSc**  
PT

- Primary Mental Health Care pathway
- Dementia Care pathway
- Psychosocial Interventions for Psychosis pathway

**Applied Mental Health MSc/PGDip**  
PT

**Clinical and Health Services Pharmacy PGDip**  
PT

**Community Pharmacy Public Health Services MSc/PGDip/PGCert**  
PT/DL

**Dental Public Health MDPH/MRes/PGDip/PGCert**  
PT/FT/DL

**Forensic Mental Health MSc/PGDip**  
PT 3 yrs

**Health and Social Care Research MRes HSC/PGDip Res HSC/PGCert Res HSC**  
FT/PT/DL

**Occupational Hygiene MSc/PGDip/PGCert**  
PT/DL

**Occupational Medicine MSc/Advanced PGDip/PG Cert**  
PT/DL

**Primary Care MRes**  
FT/PT/DL

**Psychiatry (Blended Learning) MSc/PGDip/PGCert**  
PT

**Public Health MRes/MPH/PGDip/PGCert**  
PT/DL

## RESEARCH PROGRAMMES

**Medicine MPhil/PhD**  
FT/PT



# MIDDLE EASTERN STUDIES

## WHY MANCHESTER?

**Integrated approach to the history and cultures of the Middle East**

**All four major languages taught: Arabic, Hebrew, Persian and Turkish**

**Research-led focus on modern culture and politics**

**World-class teaching in national identity, gender, Arab World, Islam and Judaism**

**Alumni in commercial, cultural and academic jobs (e.g. journalism, lecturing, tourism, teaching)**

**RAE 4\*15% 3\*45% 2\*20% 1\*15%**

Middle Eastern Studies covers a range of interdisciplinary areas, including cultures, religions (ancient, classical and modern), modern history and literatures. Areas of particular expertise at Manchester include Arabic literature and culture (including gender), Islamic studies, Israeli/Jewish studies, modern Iranian history and Iran's foreign relations, and the emergence of Middle East nationalisms. The most recent RAE judged 60% of our research activities to be either "world-leading" or "internationally excellent".

Middle Eastern Studies at Manchester is the editorial home of one of the field's most distinguished scholarly journals, the *Journal of Semitic Studies*. Hosting a large AHRC-funded database on ancient Jewish literature, Middle Eastern Studies also constitutes part of our University's Centre for Jewish Studies.

Our Languages and Cultures MA is a research-focused course enabling you to pursue specialist masters-level research into one or more cultures of the Middle East, and gain training in advanced research methods. Academics with extensive publication experience offer small-class course units on specialist topics and dissertation supervision on a mutually agreed subject.

Our excellent facilities include a Centre for Graduate Studies, which provides space specifically for postgraduate students, and comprehensive Middle Eastern holdings of the University Library, one of only five UK National Research Libraries.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Languages and Cultures MA (research route)**  
FT/PT

## RESEARCH PROGRAMMES

**Arab World Studies PhD**  
FT

**Middle Eastern Studies PhD/ MPhil**  
FT/PT

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**MANCHESTER  
MADE ME**

WATER TO WATER  
SUMMIT TO SUMMIT  
BOULDER TO BOULDER  
FOOTPATH TO FOOTPATH  
RAINSTORM TO RAINSTORM  
EXPERIENCE TO EXPERIENCE

THE UNIVERSITY OF MANCHESTER, THE MANCHESTER SCHOOL OF MANAGEMENT, THE MANCHESTER SCHOOL OF ENGINEERING, THE MANCHESTER SCHOOL OF LAW, THE MANCHESTER SCHOOL OF MEDICINE, THE MANCHESTER SCHOOL OF BUSINESS, THE MANCHESTER SCHOOL OF ARTS, THE MANCHESTER SCHOOL OF DESIGN, THE MANCHESTER SCHOOL OF EDUCATION, THE MANCHESTER SCHOOL OF ENVIRONMENT, THE MANCHESTER SCHOOL OF HEALTH, THE MANCHESTER SCHOOL OF JOURNALISM, THE MANCHESTER SCHOOL OF POLITICAL SCIENCE, THE MANCHESTER SCHOOL OF SOCIAL SCIENCES, THE MANCHESTER SCHOOL OF THEOLOGY, THE MANCHESTER SCHOOL OF VETERINARY MEDICINE, THE MANCHESTER SCHOOL OF YOUTH STUDIES

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**RIGHT PLACE,  
RIGHT TIME,  
BRIGHT FUTURE**





## Susanna Hill

### Art Gallery and Museum Studies masters student

Susanna has immersed herself in Manchester's cultural life – both outside and as part of her studies. She sees a great future here for the arts and for her career.

"I really wanted to study somewhere where there was music, galleries and theatre. Manchester is just so rich in all those things. I did my undergraduate degree in St Andrews, which I enjoyed, but it was fairly devoid of culture. I knew a lot of people who were studying here and having a wonderful time. Manchester is a really great place to study.

"My course has completely revolutionised my way of thinking about what an art gallery is. I thought that I knew everything there was to know about going to art galleries, but I've learnt so much about their role in society, how the spaces can be utilised by communities, and their responsibilities. It's often challenging, but always valuable and very exciting.

"Being in Manchester has changed me. I've been doing some work as an appropriate adult for young people seeking asylum here in the UK. The range of people here makes it a very interesting place to live – it really stretches you as a person. I've also joined the University of Manchester Chorus, which was amazing! I've never been in a choir that big. And I've volunteered all over the place in galleries – we get a lot of emails about what's going on, and it's great to be part of it.

"I'm hoping to stay here for a PhD, working on a collection in the Whitworth. One of my favourite memories is going to a 1950s New York-style loft party at the Whitworth to mark the David Hockney exhibition. It was great fun and made me think, 'yes, I definitely want to work in a gallery!' I'd like to stay in Manchester – I actually think the cultural opportunities here are much wider than they are down south. It's a really exciting time to be here."

"Because the University owns Manchester Museum and the Whitworth Art Gallery, you have a lot of current practising professionals coming in and talking to you. You get to hear what it's like to work in the sector right now and you engage in real issues."

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# MUSEOLOGY

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## WHY MANCHESTER?

**High-quality teaching and research**

**Long-established links with the museum and cultural sector**

**Work experience opportunities in museums and galleries**

**Alumni in senior positions in the UK and abroad**

**RAE 4\*40% 3\*40% 2\*15% 1\*5%**

Our Centre for Museology is wholly dedicated to developing research and teaching in museum theory and practice. We work closely with the University's own museum and art gallery, and promote academic and professional collaboration with the museum profession locally, nationally and internationally.

We have been training museum professionals for over 40 years, and our Art Gallery and Museum Studies MA is one of the most popular courses of its kind in the UK. Today, our alumni work in senior positions in museums and galleries in Britain and overseas.

The Centre for Museology is now part of our Institute for Cultural Practices: a new centre for postgraduate and professional programmes that combine academic excellence with work-based training.

## FIND OUT MORE...

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

For MAs:  
[MASALC@manchester.ac.uk](mailto:MASALC@manchester.ac.uk)  
+44 (0)161 306 1259

For PhDs:  
[PhDSALC@manchester.ac.uk](mailto:PhDSALC@manchester.ac.uk)  
+44 (0)161 275 3559

## TAUGHT COURSES

**Art Gallery and Museum Studies MA**  
FT/PT

**Continuing Professional Development (CPD)**

## RESEARCH PROGRAMMES

**Museology PhD**  
FT/PT

**Professional Doctorate in Museum Practice**  
FT/PT

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# MUSIC

## WHY MANCHESTER?

**Top ratings for research**

**Extensive multimillion-pound facilities**

**Close creative collaboration between staff and students**

**Alumni in many branches of the music profession**

**RAE 4\*50% 3\*35% 2\*10% 1\*5%**

Manchester prides itself on being one of the best places for postgraduate study in music in the UK. We offer you a stimulating and supportive environment for research and composing, with a rich portfolio of programmes in musicology, ethnomusicology, composition and electroacoustic music composition.

Our internationally renowned musicologists, ethnomusicologists, composers and performers are also dedicated to the highest standards of teaching. The government awarded us the very highest rating for both the 1996 and 2001 RAEs, while the 2008 RAE placed us among the top three music departments in the country, and among the top one percent of all departments in all subjects nationwide.

Within our £6 million Martin Harris Centre for Music and Drama, we have excellent facilities, including the purpose-built Cosmo Rodewald Concert Hall. The Centre also houses a wide range of instruments (including Baroque strings, wind and a gamelan degung), listening equipment, computers and the Lenagan Library. The adjoining £2.2 million studio complex – the NOVARS Research Centre for Electroacoustic Composition, Performance and Sound Art – opened in 2007.

With three major music libraries, Manchester's total library provision is excellent by any standards and unrivalled in the north of England. We also support our research community via the fortnightly Musicology Forum and Composers' Forum, where lectures by invited experts alternate with research presentations by our own staff and students, alongside discussions of the latest developments in the field.

We host more than 80 concerts and visiting guest lectures each year, including recitals by the Danel String Quartet (our quartet-in-residence), the BBC Philharmonic and Psappha (contemporary music ensemble-in-association). All postgraduate composers receive at least one professional performance of their work a year.

The exceptional level of practical ability among our undergraduates means that your new compositions can also be performed to an unusually high standard by fellow students. MANTIS (Manchester Theatre in Sound) provides electroacoustic composers with regular opportunities to present their work in public. The city of Manchester itself, a thriving cultural centre, provides you with further performance opportunities.

Each postgraduate research student has a main supervisor and two further supervisory panel members, while our friendly and informal atmosphere makes it easy for you to approach any member of staff for additional advice.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk  
+44 (0)161 306 1259

For PhDs: PhDSALC@manchester.ac.uk  
+44 (0)161 275 3559

## TAUGHT COURSES

**Composition MusM**  
FT/PT

**Electroacoustic Music Composition MusM**  
FT/PT

**Musicology MusM (including Ethnomusicology)**  
FT/PT

## RESEARCH PROGRAMMES

**Composition PhD**  
FT/PT

**Electroacoustic Composition PhD**  
FT/PT

**Musicology/Ethnomusicology PhD**  
FT/PT



# NURSING AND MIDWIFERY

## WHY MANCHESTER?

**Highest ranked UK School for nursing and midwifery research**

**Outstanding career development opportunities for nurses, midwives, allied health professionals and other health researchers**

**PhD training available via online learning to support balance of professional and research commitments**

**RAE 4\*50% 3\*35% 2\*10% 1\*5%**

Nursing and midwifery training at Manchester is recognised as internationally leading. With the largest research portfolio of such schools in the UK and Europe, we attract considerable funding and publish widely in renowned international journals. In collaboration with our National Health Service partners, we ensure our diverse academic study opportunities keep pace of changes in health and social care policy and practice.

We place great emphasis on high-quality applied research that supports the improvement of patient care and shapes UK health and social care policy and service provision. Some of our recent successes include running the successful EC-funded Prevention of Falls Network Europe, and testing and developing a range of self-help treatments for anxiety and

depression in primary mental health care. We have strong links with the School of Psychological Sciences, Institutes for Cancer, Population Health and Human Development, and the Manchester Academic Health Science Centre, which means our training opportunities span a wide range of multidisciplinary areas.

Our masters training includes preparation for professionals to further develop their careers in academic/clinical research, mental health and social care. We also provide short-term, flexible modular training for professionals in a range of areas, including research methods and design, cancer and palliative care and mentorship.

Our postgraduate research students (MPhil/PhD) receive extensive support beyond their immediate research area, excellent training in research methods and design, career development seminars and supervision by world-leading researchers. This all supports your transition into fellowship posts and various health and social care positions. We expect and support you to engage in co-authorship on eminent publications, undertake presentations at leading conferences and forge links with wider academic and professional communities to improve your skills development and enhance career prospects.

We provide outstanding facilities for postgraduate study, including seminar rooms, high-specification interpersonal skills laboratories and excellent online teaching and learning resources. Our University houses one of Europe's best

library collections, with access to an extensive range of health and social care journals. We particularly welcome postgraduates interested in health/social care research topics covering: mental health; management of long-term conditions; cancer, supportive and palliative care; midwifery; child and family health; and social care.

## FIND OUT MORE...

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

[graduate.nursing@manchester.ac.uk](mailto:graduate.nursing@manchester.ac.uk)

+44 (0)161 306 0270

## TAUGHT COURSES

**Advanced Practice Interventions for Mental Health (APIMH) PGDip/MSc\***  
PT

- Primary Mental Health Care pathway
- Dementia Care pathway
- Psychosocial Interventions for Psychosis pathway

**Clinical Research MClIn Res\*/PGDip Clin Res/PGCert Clin Res FT/PT/DL**

**Health and Social Care Research MRes HSC/PGDip Res/PGCert Clin Res FT/PT/DL**

\*Funded studentships may be available on these courses – for information, see our School website

## RESEARCH PROGRAMMES

**Midwifery MPhil/PhD FT/PT/DL**

**Nursing MPhil/PhD FT/PT/DL**

# PHARMACY

## WHY MANCHESTER?

**£18m investment in research training environment**

**Strong record of training leaders in pharmaceutical industry**

**Home of the national Centre for Pharmacy Postgraduate Education**

**RAE 4\*30% 3\*40% 2\*25% 1\*5%**

Internationally renowned for research, Pharmacy at Manchester also offers high-quality teaching, translating excellence in basic science into professional training and continuing education. Housed in a recently refurbished £18 million research setting, we ally basic physical and biological sciences research to pharmacy disciplines to equip our graduates for research and/or careers in academia, pharmaceutical and related industries, or clinical pharmacy.

Pharmacists and healthcare professionals can find a tremendous range of continuing professional development programmes in our national Centre for Pharmacy Postgraduate Education (CPPE).

As well as providing short CPD programmes to pharmacists, pharmacy technicians and other healthcare professionals across the world, CPPE offers a part-time taught MSc in Community Pharmacy Public Health Services. We also offer a part-time taught PGDip in Clinical and Health Services Pharmacy for UK-registered hospital pharmacists who want to develop their clinical and management skills.

Pharmaceutical industry scientists and managers pursue professional development with our modular advanced training programme (PIAT), with the option to obtain a MSc. Developed in close partnership with the pharmaceutical industry, course units cover industrial pharmacy, clinical trials, business development and pharmaceutical microbiology. Our MSc Modelling and Simulation in Pharmacokinetics and Pharmacodynamics offers advanced quantitative training to improve prediction of drug responses.

Science graduates seeking a research-related career in academia or industry will find our MPhil and PhD programmes provide an understanding of the complete drug development process, while enabling you to carry out advanced research in drug design, drug delivery, pharmacokinetics, or drug usage and evaluation. Research projects are often co-supervised by collaborators in medicine, engineering and basic life science or physical science disciplines. Our postgraduates play a key role in

our research output; in addition to publishing articles and presenting at conferences, they develop important career skills in areas such as communication and public engagement, teaching, and commercial development.

## FIND OUT MORE...

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

[pharmgrad@manchester.ac.uk](mailto:pharmgrad@manchester.ac.uk)

+44 (0)161 306 0259

## TAUGHT COURSES

**Clinical and Health Services Pharmacy PGDip**  
PT

**Community Pharmacy Public Health Services MSc/PGDip/PGCert**  
DL

**Modelling and Simulation in Pharmacokinetics/Pharmacodynamics MSc**  
DL

**Pharmaceutical Industrial Advanced Training MSc/PGDip**  
DL

## RESEARCH PROGRAMMES

**Pharmacy and Pharmaceutical Sciences MPhil/PhD**  
FT/PT

# PHILOSOPHY

## WHY MANCHESTER?

**Research-driven teaching**

**Generous contact hours**

**Research expertise in a wide range of areas of analytical philosophy**

**Excellent research culture and community**

**RAE 4\*10% 3\*35% 2\*50% 1\*5%**

Philosophy at Manchester is an expanding and research-led discipline, with specialisations in a wide range of areas of analytic philosophy. We place special emphasis on the philosophy of mind and language, aesthetics, metaphysics, ethics, epistemology, and the history of analytic philosophy. Together with colleagues in Politics, we also offer significant research expertise in political philosophy, and an MA in Ethics and Political Philosophy.

The atmosphere at Manchester is intellectually stimulating and supportive. You will be fully integrated into our research-oriented activities; you will receive research-led teaching on cutting-edge philosophical issues, and will have many opportunities for discussion with staff, through generous formal contact hours, and informal interactions during weekly research seminars and other research-focused events.

As well as weekly research seminars, we host various international conferences – recent examples include: The Expression of Emotion (2013); Collective Intentionality VIII (2012); The Philosophy of Mathematics (2011); Perceiving Others' Minds (2011); Emotion, Phenomenology and Content (2011); Fictionalism (2009); The Philosophy of Scanlon (2009); and Sharing Ends (2008). We are also home to several funded research projects, including The Foundations of Ontology (2011–2014), Knowledge of Emotion (2012–2015), and The Architecture of Consciousness (2012–2017).

We also hold an annual workshop on the Philosophy of Language.

All our conferences and workshops are open to graduate students, including an annual graduate conference, Open Minds, at which we encourage you to present and discuss your work.

## FIND OUT MORE...

[www.manchester.ac.uk/socialsciences/disciplines/philosophy](http://www.manchester.ac.uk/socialsciences/disciplines/philosophy)

[pg-soss@manchester.ac.uk](mailto:pg-soss@manchester.ac.uk)

Taught courses  
+44 (0)161 275 1296

Research programmes  
+44 (0)161 275 4743

## TAUGHT COURSES

**Philosophy MRes**  
FT/PT

**Political Economy (research) MA/PGDip**  
FT/PT

**Political Economy (standard) MA/PGDip**  
FT/PT

**Political Science (Ethics and Political Philosophy) MA**  
FT/PT

## RESEARCH PROGRAMMES

**Philosophy PhD**  
FT/PT

# PHYSICS AND ASTRONOMY

## WHY MANCHESTER?

**Top rated for research and one of the UK largest schools in this discipline**

**Two Nobel Prize winners on our current teaching staff**

**Professor Brian Cox (University Research Fellow) is a member of our High Energy Physics group**

**Wide range of collaborative projects worldwide**

**Alumni in top jobs in industry, research and teaching**

**RAE 4\*20% 3\*35% 2\*30% 1\*15%**

Our School of Physics and Astronomy at Manchester is one of the largest and most active schools of physics in the UK. We have a long tradition of excellence in both teaching and research, with interests in most areas of contemporary research.

In the most recent Research Assessment Exercise (2008), 85% of our School's research was rated as being of international quality, with 20% considered 'world leading'. The volume of world-leading and internationally excellent research places our School fifth in the UK.

Strong research activity exists in a broad range of physics topics, funded by the Research Councils, including EPSRC, STFC, BBSRC, the EU and industry. All our research groups offer well-equipped laboratories and computing facilities and are involved in a wide range of collaborative projects with industry and other academic departments both in the UK and overseas.

Research in our School is organised into four divisions that bring together areas of physics with common interests and research culture. These are: the Condensed Matter, Atomic and Biological Physics Division; the Accelerator, Nuclear and Particle Physics Division; Jodrell Bank Centre for Astrophysics; and the Theoretical Physics Division. The latter cuts across all divisions, allowing experts in theoretical areas to work closely together, as well as collaborating with experimental physicists' specific areas.

Research groups within these divisions work on specific aspects of physics, across the whole range of the subject. Jodrell Bank Observatory is part of our School, and we also have strong links with other University of Manchester institutes such as the Dalton Nuclear Institute, Cockcroft Institute, Photon Science Institute, the SKA Project Office and the Large Hadron Collider at CERN. We have very strong links to both UK and international facilities. More details can be found on our website.

A physics research degree is regarded by employers as evidence of thorough training in numerate problem-solving and opens up a wide range of career choices. In addition to a university or research laboratory career, PhD physicists are found across the full spectrum of employment, including the media, banking and finance, editorial work and medicine.

A close-up portrait of a middle-aged man with short, dark hair and a serious expression. He is wearing a light blue and white vertically striped button-down shirt. The background is a blurred laboratory or industrial setting with various pieces of equipment and lights.

**MANCHESTER  
MADE ME**

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**A NOBEL PRIZE WINNER**



## Professor Sir Kostya Novoselov

### Physics and Astronomy research associate

Kostya works in our School of Physics and Astronomy. He received the Nobel Prize for Physics in 2010 and a knighthood in 2012 in recognition of his work with Manchester colleague Professor Andre Geim on the revolutionary super-material graphene. When not dealing with international fame, he is devoted to his research, works with his postgraduate students, and watches *The Big Bang Theory*.

"The work that got us the Nobel Prize, we started in Manchester. It was originally a side experiment from our mainstream work – we always have a few side experiments going, small things, sometimes crazy.

"I think this is within the culture of the British system. You are allowed to do those crazy experiments, which allows you to be creative.

"The main reason you should come here is the quality. You just have to look at my colleagues, or the league tables. The fact that it's a huge place is an additional benefit.

"You always have experts in any field you need. If you want to study a masters or PhD, you have a great choice of people to learn with here. Postgraduate courses are also often run using the same equipment as we use for our scientific experiments, which is world class."

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"Manchester is a big department with lots of people you can talk with who all do different things. That's usually how a physicist works best – you think, discuss and discussions bring fruit."

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## FIND OUT MORE...

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

[pg-physics@manchester.ac.uk](mailto:pg-physics@manchester.ac.uk)

+44 (0)161 306 3673

## TAUGHT COURSES

**Nuclear Science and Technology  
MSc/PGDip/PGCert\***  
FT/PT/DL

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*\*For details on this course,  
email [info@ntec.ac.uk](mailto:info@ntec.ac.uk),  
tel +44 (0)161 275 4575,  
or visit [www.ntec.ac.uk](http://www.ntec.ac.uk)*

## RESEARCH PROGRAMMES

**Astronomy and Astrophysics  
EntD**  
FT

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**Astronomy and Astrophysics  
PhD/MSc by Research/MEnt**  
FT/PT

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**Physics PhD/MSc by  
Research/MEnt**  
FT/PT

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**Physics EntD/EngD**  
FT

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**In the Proposed Research  
section within the online  
application form, enter one of  
the following in the Research  
Title field:**

**Accelerator Physics  
Astronomy and Astrophysics  
Biological Physics  
Complex Systems and  
Statistical Physics  
Condensed Matter Physics  
Liquid Crystals Physics  
Nonlinear Physics  
Nuclear Physics  
Particle Physics  
Particle Theory  
Photon Physics  
Theoretical Nuclear Physics**

*See also Engineering for  
Manufacture p78.*

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“Although PhD study is conducted independently of others, I have still made close friends in the office, whom I can greatly rely on. They have helped me tremendously with many little things that have made my life easier. My supervisor has been giving me excellent supervision and guidance.”

**Peggy Li**  
PhD Theoretical Physics

# PLANNING AND ENVIRONMENTAL MANAGEMENT

## WHY MANCHESTER?

**Global leader in planning research**

**Professionally accredited masters degrees**

**International fieldtrip options on all masters degrees**

**Highly acclaimed PhD programme**

**RAE 4\*20% 3\*40% 2\*30% 1\*10%**

Planning and Environmental Management at Manchester is one of the oldest and largest professionally recognised land use and environmental planning schools in the UK.

We have an active research culture with a strong commitment to work at the cutting edge of current practice. In the most recent Research Assessment Exercise (RAE 2008), 60% of our research activity was ranked as 'world leading' or 'internationally excellent', and in the past five years we have attracted in excess of £2.5 million in research and training contracts from research councils and foundations.

international organisations, central and local governments, and commercial and voluntary bodies.

As part of the School of Environment, Education and Development, PhD students in Planning and Environmental Management benefit from being integrated into our vibrant, multidisciplinary research community. We have particular expertise in environmental planning and management, and spatial planning/urban development, but we welcome applications for postgraduate research in several planning-related fields. The RAE 2008 praised our PhD Planning programme for "outstanding quality evident in the research culture and student support".

Our masters courses are accredited by the Royal Town Planning Institute (RTPI) and by the Royal Institution of Chartered Surveyors (RICS); graduates of the MSc Planning degree can proceed to become full members of the RTPI and chartered planners, while our other masters courses are accredited by the RTPI and the RICS as specialist masters degrees.

SEED also offers a £500 bursary to University of Manchester alumni with a first-class honours degree enrolling on one of our masters degree courses in Geography, International Development or Planning and Environmental Management.

## FIND OUT MORE...

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

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

+44 (0)161 275 0969

## TAUGHT COURSES

**Environmental Impact Assessment and Management MSc**  
FT/PT

**Global Urban Development and Planning MSc**  
FT/PT

**Planning MSc**  
FT/PT

**Real Estate Asset Management MSc**  
FT/PT

**Real Estate Development MSc**  
FT/PT

**Urban Design and International Planning MSc**  
FT/PT

**Urban Regeneration and Development MSc**  
FT/PT

## RESEARCH PROGRAMMES

**Planning MPhil/PhD**  
FT/PT

See also *Architecture* p54, *Geography* p83 and *International Development (IDPM)* p86.

# POLITICS

## WHY MANCHESTER?

One of Europe's top centres for research training and teaching in politics

One of the UK's largest groupings of political scientists, political theorists and international relations scholars

RAE 4\*20% 3\*30% 2\*30% 1\*20%

Politics at Manchester offers postgraduates a very wide range of choices when it comes to taught courses and research supervision, backed by extensive and high-quality teaching and training resources.

We provide a challenging intellectual atmosphere for group study among postgraduates, along with the best possible support for individual students.

## FIND OUT MORE...

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

[pg-soss@manchester.ac.uk](mailto:pg-soss@manchester.ac.uk)

For taught courses:  
+44 (0)161 275 1296

For research programmes:  
+44 (0)161 275 4743

## TAUGHT COURSES

### Human Rights (research route) MA/PGDip

FT/PT

- Political Science pathway
- Law/Political Science pathway

### Human Rights (standard route) MA/PGDip

FT/PT

- Political Science pathway
- Law/Political Science pathway

### International Politics (research route) MA/PGDip

FT/PT

- International Political Economy pathway
- International Relations pathway

### International Politics (standard route) MA/PGDip

FT/PT

- International Political Economy pathway
- International Relations pathway

### Political Science (research route) MA/PGDip

FT/PT

- Democracy and Elections pathway
- European Politics and Policy pathway
- Governance and Public Policy pathway
- Political Theory pathway

### Political Science (Standard route) MA/PGDip

PT/FT

- Democracy and Elections pathway
- Ethics and Political Philosophy pathway
- European Politics and Policy pathway
- Governance and Public Policy pathway
- Political Theory pathway

### Political Economy (research route) MA/PGDip

FT/PT

### Political Economy (standard route) MA/PGDip

FT/PT

### Politics MA/PGDip

FT/PT

## RESEARCH PROGRAMMES

### Politics MPhil/PhD

FT/PT

See also *Humanitarianism, Conflict Response and Peacebuilding* p85, *Manchester Business School* p94, and *Social Statistics* p125.

# PSYCHOLOGICAL SCIENCES

## WHY MANCHESTER?

**Training opportunities spanning core areas of psychology**

**Home to the internationally recognised Max Planck Child Study Centre**

**Member of the Neuroscience Research Institute**

**Psychiatry, Neuroscience and Clinical Psychology**  
RAE 4\*5% 3\*45% 2\*40% 1\*10%

**Psychology**  
RAE 4\*10% 3\*35% 2\*45% 1\*10%

Postgraduate and professional development opportunities within Psychological Sciences at Manchester span areas including audiology and deafness, clinical and health psychology, cognition and cognitive neuroscience, language development and disorders, neuroscience and aphasia. We collaborate with numerous external partners, including National Health Service trusts across the region, hearing aid companies and educationalists.

We offer PhDs across our areas of expertise, a Clinical Doctorate in Psychology (ClinPsyD), and professionally directed training in Audiology. Our MRes in Psychology prepares you for research careers or PhD study. Our MSc in Clinical and Health Psychology combines the academic grounding for both disciplines, while the MSc in Cognitive Brain Imaging provides technical and computational training informed by psychological science; both courses are unique in the UK.

Our postgraduate researchers (MPhil/PhD) play a key role in our research engagement and output. Funding opportunities are available through our involvement in the ESRC North West Doctoral Training Centre. We encourage authorship on eminent publications, presentation at conferences and engagement with the wider community to improve your skills development and career prospects. We host the Max Planck Child Study Centre, affiliated to the Max Planck Institute for Evolutionary Anthropology that focuses upon children's early language acquisition.

Our postgraduates involved in cognitive neuroscience also benefit from involvement in the Neuroscience Research Institute, a cross-University network of neuroscientists offering seminars, career workshops and keynote lectures.

## FIND OUT MORE...

[www.manchester.ac.uk/psych-sci/postgraduate](http://www.manchester.ac.uk/psych-sci/postgraduate)

[pg-psychology@manchester.ac.uk](mailto:pg-psychology@manchester.ac.uk)

+44 (0)161 306 0259

## TAUGHT COURSES

**Advanced Audiology Studies**  
**MSc/PGDip**  
FT/PT

**Audiology MSc**  
FT

**Clinical and Health Psychology MSc**  
FT

**Cognitive Brain Imaging MSc**  
FT

**Deaf Education MSc/PGDip**  
FT/PT/DL

**Psychology MRes**  
FT/PT

## RESEARCH PROGRAMMES

**Audiology MPhil/PhD**  
FT/PT

**Clinical Psychology MPhil/PhD**  
FT/PT

**Clinical Psychology Doctorate**  
**Clin PsyD**  
FT

**Psychology MPhil/PhD**  
FT/PT



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MANCHESTER  
MADE ME

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# WHERE THE BEST MINDS MEET

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“This is without a doubt the best environment for pursuing answers to the questions which interest me most. It’s one of the leading research institutions in the world, with clear dedication to supporting innovative research, and it has attracted the leading researchers in my field.”

## Cliff Workman

### Psychology PhD student and President's Doctoral Scholar student

The calibre of researchers at Manchester drew Cliff here from Baltimore County, Maryland. He receives funding for his research through our President's Doctoral Scholar Award and relishes the outreach opportunities the scheme offers.

"I became interested in The University of Manchester after learning about its cutting-edge research. I particularly wanted to be involved with the work on moral and social behaviour in mood disorders being conducted by Dr Roland Zahn and Dr Rebecca Elliott – I feel lucky to now have them as my supervisory team.

"My studies are supported by the President's Doctoral Scholar Award, a prestigious honour for which I feel incredibly grateful. The University has clearly demonstrated a commitment to my academic success, whether through meetings with my supervisory team, training and professional development, opportunities to attend and give scientific talks, or even the chance to chat about my course with the University's President and Vice-Chancellor Dame Nancy Rothwell.

"Outside of my research I stay very busy. I'm co-chair of the Faculty of Medical and Human Sciences Graduate Society, a first-year student representative for the School of Psychological Sciences and a peer mentor. The Doctoral Scholar Award allows us to engage in cohort activities – for example, we work on public engagement activities, and we're organising a conference in the summer.

"I'll look back on my time here with a lot of pride and excitement. I've been able to do so many different kinds of things. Not only am I doing doctoral research, but I also have opportunities to volunteer with kids and get them excited about science. And through organising things like seminars, I've actually been able to make an impact on the University itself."

# RELIGIONS AND THEOLOGY

## WHY MANCHESTER?

**Small-group MA teaching by leading international scholars**

**PhD alumni in top academic posts around the globe**

**Wide range of specialisations available**

**World-class archive resources from papyri to contemporary philosophy**

**RAE 4\*25% 3\*40% 2\*30% 1\*5%**

Covering a wide range of religious traditions, our masters courses prepare you either for further study, or for work in which religious and cultural awareness is important. About half our students come with a Religion or Theology degree, on which to build further. The rest come usually with a Humanities degree and a desire to switch focus into study of Religion. Our small-group seminars are reinforced by access to teaching from other departments such as Middle-Eastern Studies, and to a wide range of undergraduate classes, including language classes.

Most of our courses have a distinctive interest in the relation between religion and context. One particular focus is on religion and politics, society and media. Another is on the roles that religious traditions play in South Asia (India, Pakistan and their neighbours). A third is in study of the Bible in its original contexts, such as the Dead Sea Scrolls and the Roman Empire. A fourth is in Judaism, from antiquity and the medieval period to modern Jewish-Christian relations. For Christianity, we draw on resources from the John Rylands Library, a treasure house of everything from John Wesley's letters to the oldest New Testament fragment in the world.

We have one of the strongest concentrations of PhD students in the UK. We offer supervision by specialists in the religions of South, East and Central Asia, the Middle East and Europe, including Biblical studies, Jewish studies, and theology, including political theology. These are backed by major research centres, such as our Religion and Civil Society Network, Centre for Biblical Studies and Centre for Jewish Studies. They organise seminars and conferences, bringing in scholars from around the world.

Our doctoral graduates have gone on to hold top academic posts in the UK, the USA, Korea, Australia, China, Turkey and many other places.

## FIND OUT MORE...

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

For MAs:  
MASALC@manchester.ac.uk

+44 (0)161 306 1259

For PhDs:  
PhDSALC@manchester.ac.uk

+44 (0)161 275 3559

## TAUGHT COURSES

**Biblical Studies MA**  
FT/PT

**Jewish Studies MA**  
FT/PT

**Religion and Political Life MA**  
FT/PT

**Religions and Theology MA**  
FT/PT

**South Asian Studies MA**  
FT/PT

## RESEARCH PROGRAMMES

**Religions and Theology PhD**  
FT/PT

# SOCIAL ANTHROPOLOGY

## WHY MANCHESTER?

**Cutting-edge innovative research**

**World-leading visual anthropology programmes**

**Intensive personal supervision for masters and doctoral students**

**Excellent record of graduate employment, post-MA and PhD**

**RAE 4\*20% 3\*30% 2\*40%  
1\*10%**

Social Anthropology at Manchester is an internationally renowned and research-led discipline, covering many areas of the world and providing cutting-edge and core anthropology teaching. We offer a diverse range of supervisory expertise by staff based in the discipline and by anthropologists in University research centres, such as the Centre for Research on Socio-Cultural Change.

We house the Granada Centre for Visual Anthropology, which has developed some of the most innovative approaches towards anthropology and visual media over recent decades and is internationally renowned for its training in the use of film, video and other audiovisual media, including workshops given by practising film-makers, photographers and sound artists. The Centre boasts broadcast-quality equipment and varied study options, from short courses to four-year programmes.

We have ESRC funding opportunities for UK/EU students pursuing doctoral degrees in social anthropology. Applicants also regularly compete well in School, Faculty and University competitions for doctoral postgraduate funding.

Our MA courses are known for their intellectual rigour, cutting-edge theory and the personalised academic supervision students receive; MA students normally see a personal supervisor every two weeks. Our doctoral students form a lively community drawn from many different countries; closely integrated with and supported by academic staff, they help sustain our very dynamic intellectual environment.

## FIND OUT MORE...

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

[pg-soss@manchester.ac.uk](mailto:pg-soss@manchester.ac.uk)

For taught courses:  
+44 (0)161 275 1296

For research programmes:  
+44 (0)161 275 4743

## TAUGHT COURSES

### Anthropological Research MA FT/PT

### Social Anthropology MA/PGDip FT/PT

- Cities and Migration pathway
- Latin American Studies pathway
- Culture, Ethnography and Development pathway
- Museums and Material Culture pathway
- Media and Performance pathway
- Visual and Sensory Media pathway

### Visual Anthropology MA\* FT

## RESEARCH PROGRAMMES\*\*

### Ethnographic Documentary MPhil FT/PT

### Social Anthropology MPhil/PhD FT/PT

### Social Anthropology with Visual Media MPhil/PhD FT/PT

### Visual Anthropology MPhil FT/PT

*\*This may also be available part-time; check our website for the most up-to-date details*

*\*\*A PhD in Anthropology, Media and Performance is also available; applications should be made through our School of Arts, Languages and Cultures*

# SOCIAL CHANGE

## WHY MANCHESTER?

### Top rated for research

### Cross-disciplinary research of extraordinary depth and breadth

### Expertise in novel advanced quantitative methods applied to social issues

RAE 4\*20% 3\*45% 2\*35%  
1\*0%

Our interdisciplinary Institute for Social Change (ISC) conducts theoretically-informed and empirically rigorous research into the causes and consequences of social, political and ethnic change, and the impact of these on social cohesion and inequality.

We host major collaborative research projects such as 'Social Change: a Harvard-Manchester Initiative' (2007-2012), the ESRC project on Social Complexity of Immigration and Diversity (SCID, 2011-2015) and over a dozen other projects, and have links with renowned scholars such as Robert Putnam (Visiting Professor at ISC), Mary Waters and Bruce Western.

Our MSc is structured to foster understanding of the social and political processes driving social change, combined with training in advanced quantitative social science methods. PhD candidates are eligible to apply for fully funded three- and four-year studentships offered exclusively to students in ISC.

## FIND OUT MORE...

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

[pg-soss@manchester.ac.uk](mailto:pg-soss@manchester.ac.uk)

For taught courses:  
+44 (0)161 275 4471

For research programmes:  
+44 (0)161 275 4743

## TAUGHT COURSES

### Social Change MSc/PGDip FT/PT

## RESEARCH PROGRAMMES

### Social Change MPhil/PhD FT/PT



# SOCIAL STATISTICS

## WHY MANCHESTER?

### Top-rated in the last RAE

### Social statistics research and training in an applied context

### Strong track record of attracting ESRC PhD funding

### Very high PhD completion rates

### Strong collaborative relationships with other disciplines and practitioners

### High-profile seminar series and visiting academics programme

### Short-course programme for additional training

RAE 4\*40% 3\*20% 2\*25%  
1\*15%

In collaboration with the Cathie Marsh Centre for Census and Survey Research (CCSR), Social Statistics is a high-profile centre for applied quantitative research. Our research activity is both methodological and substantive, with a focus on social inequalities and population dynamics. Methodological research with longitudinal and multilevel data

informs our interdisciplinary research applications in topics such as employment, ageing, health inequalities and migration, as well as methodological innovations in social network analysis, complex survey design and analysis, and statistical disclosure risk.

With colleagues in Sociology, our research ranked joint first in the last Research Assessment Exercise, with the highest proportion of research judged to be 'world leading' of any UK higher education institution. Social Statistics staff often act as consultants and conduct high-profile research projects.

Our graduate programmes are formally recognised by ESRC and the North West Doctoral Training Centre, from whom we receive a large number of Advanced Quantitative Methods and CASE awards each year. PhD students join a thriving research programme and receive high-quality training and supervision tailored to their particular needs.

Our Social Research Methods and Statistics taught course provides a firm grounding in advanced quantitative methods, taught within an applied social science framework. Course units include: Statistical Foundations, Introduction to Statistical Modelling, Survey Research, Multilevel Modelling and Longitudinal Data Analysis. We run pre-session training courses before the MSc starts. As part of the North West Doctoral Training Centre, you can also attend

certain courses and units in our partner institutions in Liverpool and Lancaster. Taking additional training on the CCSR short-course programme is encouraged.

Graduates of our programme in Social Research Methods and Statistics are in a good position to obtain jobs in central government, the academic sector (including continuing to PhD), local government and commercial research.

## FIND OUT MORE...

[www.ccsr.ac.uk](http://www.ccsr.ac.uk)

[pg-soss@manchester.ac.uk](mailto:pg-soss@manchester.ac.uk)

For taught courses:  
+44 (0)161 275 1296

For research programmes:  
+44 (0)161 275 4743

## TAUGHT COURSES

**Social Research Methods and Statistics MSc/PGDip**  
FT/PT

## RESEARCH PROGRAMMES

**Social Statistics MPhil/PhD**  
FT/PT

# SOCIAL WORK

## WHY MANCHESTER?

**Outstanding teaching from qualified practitioners and service users ensures relevant, high-quality professional education**

**Practice placement opportunities in a wide range of statutory and voluntary sector organisations**

**Research opportunities spanning social care and population health**

**RAE 4\*40% 3\*20% 2\*25%  
1\*15%**

Manchester has a well-established history of providing excellent social work education, training and innovative research.

Our pre-qualifying social work course meets the requirements of the Social Work Professional Capabilities Framework for social work practice in England. As well as an academic qualification, successful postgraduates receive an accredited social work qualification that will make you eligible to apply to register as a qualified social worker with the Health and Care Professions Council.

While undertaking the course, you will learn what it is like to work within modern social work practice, developing professional knowledge, skills and confidence commensurate with the qualifying requirements of the professional capabilities framework. This is the foundation for all post-qualifying professional development and career progression.

Our online MRes in Health and Social Care provides a solid foundation of research development specifically tailored to health and social care professionals.

The PhD social work programme is an integral part of our North West ESRC Doctoral Training Centre, assuring high-quality research teaching, supervision and support. Our MPhil and PhD students play a key role in our research output and we expect authorship on eminent publications, presentation at conferences and engagement with the wider community. We have built our research culture on the integration of professional knowledge and expertise with strong research education and support.

## FIND OUT MORE...

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

[graduate.socialwork@manchester.ac.uk](mailto:graduate.socialwork@manchester.ac.uk)

+44 (0)161 306 7746

## TAUGHT COURSES

**Health and Social Care Research  
MRes HSC/PGDip Res HSC/  
PGCert Res HSC  
FT/PT/DL**

**Social Work MA  
FT**

## RESEARCH PROGRAMMES

**Social Work MPhil/PhD  
FT/PT**

# SOCIOLOGY

## WHY MANCHESTER?

**Prestigious centre for sociology scholarship**

**Excellent research training – top-rated research**

**Expert supervision on a broad range of subjects within sociology**

**High level of facilities offered to students**

**Integration into a rich, vibrant research culture**

**RAE 4\*40% 3\*20% 2\*25% 1\*15%**

Sociology at Manchester is one of the UK's largest and most prestigious centres for the subject. We were judged in the most recent RAE to be the best in the nation, with a higher proportion of our research activity rated 'world leading' than that of any other university in the country.

Our stimulating research environment for postgraduate study includes several research centres and clusters attracting major research grants. We regularly host national and international events, to which postgraduates are invited. Seminars in the Sociology discipline and the related research centres provide a regular forum for postgraduate students to engage with cutting-edge research. We have a lively and sociable student culture, including a working paper series.

The MSc in Sociological Research is recognised by the ESRC as offering the training required for doctoral study, with training in both qualitative and quantitative methods.

We also have a good record of securing funding for PhD students.

## FIND OUT MORE...

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

[www.manchester.ac.uk/socialsciences/disciplines/sociology/postgraduate/pgresearch](http://www.manchester.ac.uk/socialsciences/disciplines/sociology/postgraduate/pgresearch)

[pg-soss@manchester.ac.uk](mailto:pg-soss@manchester.ac.uk)

For taught courses:  
+44 (0)161 275 1296

For research programmes:  
+44 (0)161 275 4743

## TAUGHT COURSES

**Sociological Research MSc**  
FT/PT

**Sociology MA/PGDip**  
FT/PT

## RESEARCH PROGRAMMES

**Sociology MPhil/PhD**  
FT/PT

# TRANSLATION, INTERPRETING AND INTERCULTURAL STUDIES

## WHY MANCHESTER?

**UK's largest concentration of translation and interpreting specialists**

**Member of the European Masters in Translation network**

**Wide range of specialist options and language specialisms**

### Asian Studies

RAE 4\*10% 3\*25% 2\*45% 1\*20%

### French

RAE 4\*15% 3\*35% 2\*35% 1\*15%

### German, Dutch and Scandinavian Languages

RAE 4\*20% 3\*35% 2\*30% 1\*15%

### Iberian and Latin American Languages

RAE 4\*30% 3\*45% 2\*20% 1\*5%

### Middle Eastern and African Studies

RAE 4\*15% 3\*45% 2\*20% 1\*15%

The Division of Languages and Intercultural Studies offers a portfolio of three MA programmes: MA in Translation and Interpreting Studies, MA in Conference Interpreting, and MA in Intercultural Communication.

The Centre for Translation and Intercultural Studies (CTIS) has an international reputation for the quality of its teaching and research activities, and hosts two of the MA programmes offered by the Division.

Our MA in Translation and Interpreting Studies (MATIS) equips you with the knowledge and skills to pursue a successful career in translation and interpreting. With its combination of reflective practice and research-oriented course units, it also provides excellent preparation for further study at PhD level.

Specialist translation course units (involving any language in combination with English) include: audiovisual, literary, commercial, scientific and technical translation; translating for international organisations; translation and media culture; and translation technology. Specialist interpreting options include consecutive interpreting (English-Arabic/Chinese/French/German/Spanish) and public service interpreting (English-Arabic/Chinese/French/Spanish).

Two optional units, one on theories of translation and interpreting and one on cross-cultural pragmatics, offer intensive preparation for doctoral study.

Our specialist MA in Conference Interpreting (MACINT) prepares you for a professional career as a conference interpreter for the institutional and freelance markets.

Taught by practising conference interpreters, intensive practical training in consecutive and simultaneous interpreting in conference settings is complemented by research-oriented course units that enable you to critically reflect on your own and others' interpreting performance, providing excellent preparation for doctoral study. You may offer one of two profiles:

- Profile 1: You have English as your native language (A) and two passive foreign languages (C) from Arabic, Chinese, French, German and Spanish. You will be trained in both types of interpreting out of both C languages into your A language.
- Profile 2: You have Arabic, Chinese, French, German, or Spanish as your native language (A) and English as an active foreign language (B); or English as your native language (A) and Arabic, Chinese, French, German, or Spanish as an active foreign language (B). You will be trained in both types of interpreting in both directions (ie B→A and A→B).

Core CTIS members were submitted to five of the most recent Research Assessment Exercise units of assessment (see RAE above), reflecting the great breadth of our research activity. Our publications are standard references in the field and widely taught across the world. Our outstanding results make CTIS the UK's leading research group of its kind, and one of the largest such research groups worldwide. Our staff supervise doctoral research on a wide range of translation and interpreting topics, and our graduates consistently secure the top academic posts in the UK and abroad. For descriptions of all past and current PhD projects, please consult our website.

CTIS houses the Translational English Corpus: the largest computerised collection of translated English text anywhere in the world. This important research resource and our vibrant research environment – with one of the UK's largest postgraduate populations in translation and interpreting studies – attract visiting scholars from around the world.

We organise international scholarly events and a weekly research seminar. MA students learn about careers and current trends in translation, interpreting and related areas through interaction with established professionals, who are invited to our Professional Development Workshops series.

Our excellent facilities include a conference room with Televic simultaneous interpreting equipment, a self-access digital lab for independent study, our Centre for Graduate Studies (a purpose-designed workspace for postgraduate students) and the University Library's comprehensive holdings.

### **MA in Intercultural Communication**

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This programme is a joint undertaking by the School of Arts, Languages and Cultures and the Manchester Institute of Education. It brings together a wide range of expertise in order to explore the cultural complexities and diversity of our current times from a variety of conceptual, disciplinary and professional perspectives. The course is designed for a broad range of students who are interested in intercultural matters. Some knowledge of a foreign language is preferable, though this is not a prerequisite. This programme enhances students' opportunities to gain employment in fields where intercultural competence is valued, for example in many multinational companies and organisations, in international projects and NGOs, and in multicultural and immigrant communities.

### **FIND OUT MORE...**

[www.alc.manchester.ac.uk/subjects/tis](http://www.alc.manchester.ac.uk/subjects/tis)

For MAs:  
[MASALC@manchester.ac.uk](mailto:MASALC@manchester.ac.uk)  
+44 (0)161 306 1259

For PhDs: [PhDSALC@manchester.ac.uk](mailto:PhDSALC@manchester.ac.uk)  
+44 (0)161 275 3559

### **TAUGHT COURSES**

**Conference Interpreting  
MA/PGDip  
FT/PT**

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**Translation and Interpreting  
Studies MA/PGDip  
FT/PT**

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**Intercultural Communication  
MA/PGDip**

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### **RESEARCH PROGRAMMES**

**Interpreting Studies PhD/MPhil  
FT**

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**Translation and Intercultural  
Studies PhD/MPhil**

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Electrical and Electronic Engineering MPhil/PhD/Split-site PhD/MSc by Research/EntD/MEnt/EngD	78
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Environmental Biology MPhil/PhD	92
Environmental Engineering MPhil/PhD	80
Environmental Geochemistry and Geomicrobiology MPhil/MSc by Research/PhD	70
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Environmental Impact Assessment and Management MSc	117
Environmental Monitoring, Modelling and Reconstruction MSc	83
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Evolutionary Biology MPhil/PhD	92

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Finance MSc	95
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Fixed and Removable Prosthodontics MPhil/PhD	68
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Genetic Counselling MSc	101
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Genetics MPhil/PhD	92
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Global Business Analysis MBus	95
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Health Care Law PGCert	89
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History of Science, Technology and Medicine MSc/MPhil/PhD	91, 92
Human Geography MPhil/PhD	83
Human Resource Development (International Development) MSc	86
Human Resource Management (International Development) MSc	86
Human Resource Management and Comparative Industrial Relations (International) MSc	95
Human Resource Management and Development (International Development) MSc	87
Human Resource Management and Industrial Relations MSc	95
Human Rights (standard or research route) MA/PGDip	118
Humanitarianism and Conflict Response MA/PhD	85
<b>I</b>	
ICTs for Development MSc/PGDip	87
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Industry, Trade and Development MSc	87
Information Systems: Business IT MSc	95
Information Systems: e-Business Technology MSc	95
Information Systems: Organisations and Management MSc	95
Innovation Management and Entrepreneurship MSc	95
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Instrumentation MPhil/PhD	59
Integrative Biology MRes	91
Integrative Neurobiology and Behaviour MPhil/PhD	92
Intercultural Communication MA/PGDip	81, 129

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International Business and Management MSc	95
International Development: Development Management MA	87
International Development: Economics and Management of Rural Development MSc	87
International Development: Environment and Development MA	87
International Development: Politics and Governance MA	87
International Development: Poverty, Conflict and Reconstruction MA	87
International Development: Public Policy and Management MA	87
International Development: Social Policy and Social Development MA	87
International Disaster Management MA	85
International Fashion Retailing (Business Process Improvement) MSc	97
International Fashion Retailing (Multichannel Marketing) MSc	97
International Fashion Retailing MSc	97
International Politics (standard or research route) MA/PGDip	118
Interpreting Studies MPhil/PhD	129
Investigative Ophthalmology and Vision Science MSc	101
Isotope Geochemistry and Cosmochemistry MPhil/MSc by Research/PhD	70
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Law LLM/MPhil/PhD	89
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Management of Projects MSc/ MSc by Research/MPhil/PhD	62
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Marketing/Marketing (Specialism) MSc	95
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Maternal and Fetal Health MRes	101
Mathematical Finance MSc	98
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Membrane Trafficking MPhil	92
Membrane Trafficking PhD	92
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Molecular Biology MPhil/PhD	92
Molecular Cancer Studies MPhil/PhD	92
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Operative Dentistry MPhil/PhD	68
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Oral and Maxillofacial Surgery MPhil/PhD	68
Oral and Maxillofacial Surgery MSc/PGDip	67
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Petroleum Geoscience for Reservoir Development and Production MSc	70
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PGCE Secondary Business Education	74
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PGCE Secondary English	74
PGCE Secondary Mathematics	74
PGCE Secondary Modern Languages (French/German/Spanish)	74
PGCE Secondary Physics	74
PGCE Secondary Physics with Mathematics	74
PGCE Secondary Science (Biology)	74
Pharmaceutical Industrial Advanced Training (PIAT) MSc/PGDip	111
Pharmacology MPhil/PhD	92
Pharmacy and Pharmaceutical Sciences MPhil/PhD	111
Philosophy MRes/PhD	112
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Physical Geography MPhil/PhD	83
Physics and Chemistry of Minerals and Fluids MPhil/MSc by Research/PhD	70
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Poverty and Development MSc	87
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Process Integration MPhil/PhD	59
Profound and Complex Learning Disability MSc/PGCert	74
Prosthodontics MPhil/PhD	68
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Quantitative Finance: Financial Engineering MSc	96
Quantitative Finance: Risk Management MSc	96
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Real Estate Asset Management MSc	117
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Religion and Political Life MA	122

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Structural and Petrological Geoscience MPhil/MSc by Research/PhD	70
Structural Biology MPhil/PhD	92
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TESOL MA	74
Textile Design, Fashion and Management MSc by Research/MPhil/PhD	97
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Translation and Interpreting Studies MA/PGDip	81, 129
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## U

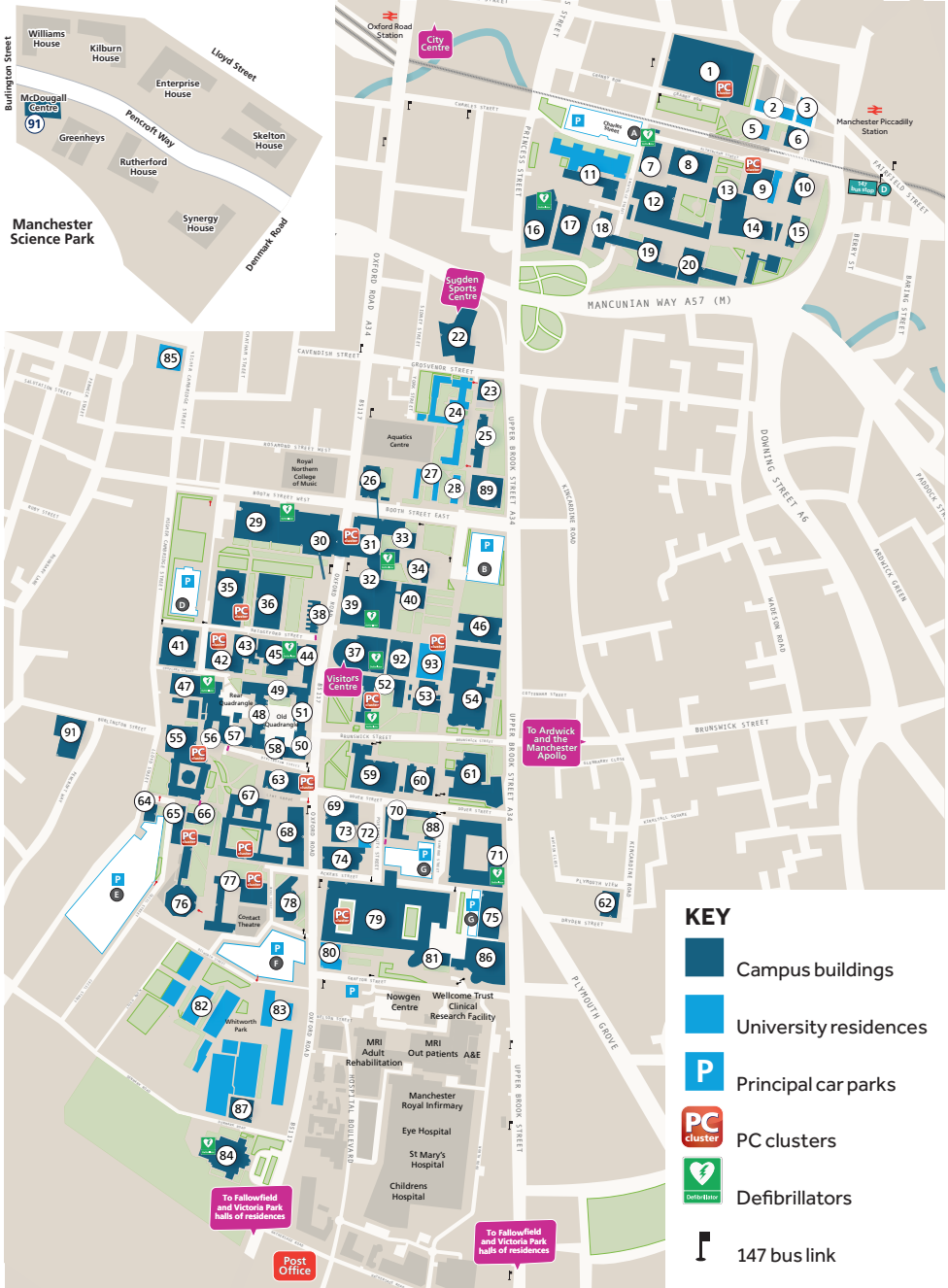
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# CAMPUS MAP

<b>63</b>	Alan Gilbert Learning Commons	<b>91</b>	McDougall Centre
<b>46</b>	Alan Turing Building	<b>71</b>	Michael Smith Building
<b>76</b>	AQA	<b>10</b>	Moffat Building
<b>36</b>	Arthur Lewis Building	<b>15</b>	Morton Laboratory
<b>75</b>	AV Hill Building	<b>23</b>	Oddfellows Hall
<b>73</b>	Avila House RC Chaplaincy	<b>85</b>	Opal Hall
<b>09</b>	Barnes Wallis Building	<b>07</b>	Paper Science Building
<b>49</b>	Beyer Building	<b>12</b>	Pariser Building
<b>27</b>	Bowden Court	<b>30</b>	Precinct Shopping Centre
<b>56</b>	Burlington Rooms	<b>34</b>	Prospect House
<b>88</b>	Carys Bannister Building	<b>08</b>	Renold Building
<b>05</b>	Chandos Hall	<b>28</b>	Ronson Hall
<b>89</b>	Chemical Engineering and Analytical Sciences	<b>53</b>	Roscoe Building
<b>61</b>	Chemistry Building	<b>45</b>	Rutherford Building
<b>58</b>	Christie Building	<b>01</b>	Sackville Street Building
<b>86</b>	Core Technology Facility	<b>67</b>	Samuel Alexander Building
<b>43</b>	Coupland Building 1	<b>56</b>	Schunck Building
<b>47</b>	Coupland Building 3	<b>54</b>	Schuster Building
<b>31</b>	Crawford House	<b>59</b>	Simon Building
<b>33</b>	Crawford House Lecture Theatres	<b>32</b>	St Peter's House/Chaplaincy
<b>87</b>	Denmark Building	<b>13</b>	Staff House Sackville Street
<b>41</b>	Dental School and Hospital	<b>66</b>	Stephen Joseph Studio
<b>30</b>	Devonshire House	<b>79</b>	Stopford Building
<b>70</b>	Dover Street Building	<b>57</b>	Student Services Centre
<b>62</b>	Dryden Street Nursery	<b>09</b>	Students' Union (North)
<b>06</b>	Echoes Day Nursery	<b>68</b>	Students' Union Oxford Road
<b>77</b>	Ellen Wilkinson Building	<b>22</b>	Sugden Sports Centre
<b>64</b>	Environmental Services Unit	<b>78</b>	The Academy
<b>03</b>	Fairfield Hall	<b>11</b>	The Manchester Conference Centre
<b>20</b>	Ferranti Building	<b>81</b>	The Manchester Incubator Building
<b>17</b>	George Begg Building	<b>14</b>	The Mill
<b>93</b>	George Kenyon Building and Hall of Residence	<b>37</b>	University Place
<b>24</b>	Grosvenor Halls of Residence	<b>38</b>	Waterloo Place
<b>83</b>	Grove House	<b>11</b>	Weston Hall
<b>29</b>	Harold Hankins Building	<b>84</b>	Whitworth Art Gallery
<b>74</b>	Holy Name Church	<b>51</b>	Whitworth Building
<b>80</b>	Horniman House	<b>50</b>	Whitworth Hall
<b>35</b>	Humanities Bridgeford Street	<b>82</b>	Whitworth Park Halls of Residence
<b>40</b>	Information Technology Building	<b>69</b>	William Kay House
<b>89</b>	James Chadwick Building	<b>52</b>	Williamson Building
<b>92</b>	Jean McFarlane Building	<b>09</b>	Wright Robinson Hall
<b>16</b>	John Garside Building	<b>60</b>	Zochonis Building
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<b>02</b>	Lambert Hall		
<b>63</b>	Learning Commons		
<b>55</b>	Main Library		
<b>26</b>	Manchester Business School East		
<b>29</b>	Manchester Business School West		
<b>16</b>	Manchester Institute of Biotechnology		
<b>44</b>	Manchester Museum		
<b>65</b>	Mansfield Cooper Building		
<b>42</b>	Martin Harris Centre for Music and Drama		
<b>25</b>	Materials Science Centre		





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# HOW TO GET HERE

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All directions listed are to the Visitors Centre in University Place building 37 on the campus map (see pages 138 to 139).

## BY AIR

From Manchester Airport  
Bus: 43  
Rail: To Piccadilly Train Station  
Taxi: Approximately £25

## BY BUS

From Piccadilly Train Station: 147  
From Piccadilly Bus Station: 14, 16, 41, 42, 43, 44, 48, 111, 140, 142, 157 and 250

## BY RAIL

**Piccadilly Station:** a two-minute walk from north campus and linked to the south campus by the 147 Oxford Road Link shuttle bus which runs every ten minutes, Monday to Friday, from Stop D, Fairfield Street.

**From Victoria Train Station:** catch a Metrolink tram or walk to Piccadilly Bus Station and catch one of above services.

**Oxford Road Station:** a 15-minute walk to both the north and south campuses.

## BY ROAD

All approach routes are clearly signposted 'Universities'.

### M62 (Eastbound), M602

Leave the M62 at J12 and join the M602. At the end of the M602 join Regent Road (A57) and continue along and join the A57M (Mancunian Way). Leave at the second exit, signposted A34 (hair-pin bend). To go to Sackville Street, keep right. To go to Oxford Road, keep left and join the A34 (dual carriageway) and get in the right-hand lane. Turn right at the first set of traffic lights into Grosvenor Street. Stay in the left-hand lane and turn left at the next set of traffic lights onto Oxford Road (B5117).

Go straight on through the next set of traffic lights and our Visitors Centre is on the left-hand side in University Place, (building 37 on the campus map).

### M62 (Westbound), M60

Leave M62 at J18 and join M60 ring road. Leave M60 at J22 and turn right at traffic lights onto Oldham Road (A62). Continue along until the end and turn left to join Great Ancoats Street (A665). Follow signs for the Universities and join the Mancunian Way (A57M). Leave at the second exit onto Higher Cambridge Street. Turn left at the next set of traffic lights onto Booth Street West. Continue to the next set of traffic lights and turn right.

Our Visitors Centre is on the left-hand side in University Place, (building 37 on the campus map).

### M6/M56

Leave the M6 at Junction 19 and turn right onto the A556. Follow signs for Manchester Airport and join the M56. Stay on M56 until it joins Princess Parkway (A5103). Continue for a further four miles (seven kilometres) before turning right at the Royal Brewery into Moss Lane East (B5219). Continue to the T-junction and turn left onto Oxford Road (B5117). Proceed down Oxford Road past the hospitals and the Holy Name Church on the right-hand side. Our Visitors Centre is on the right-hand side in University Place (building 37 on the campus map).

### From M67

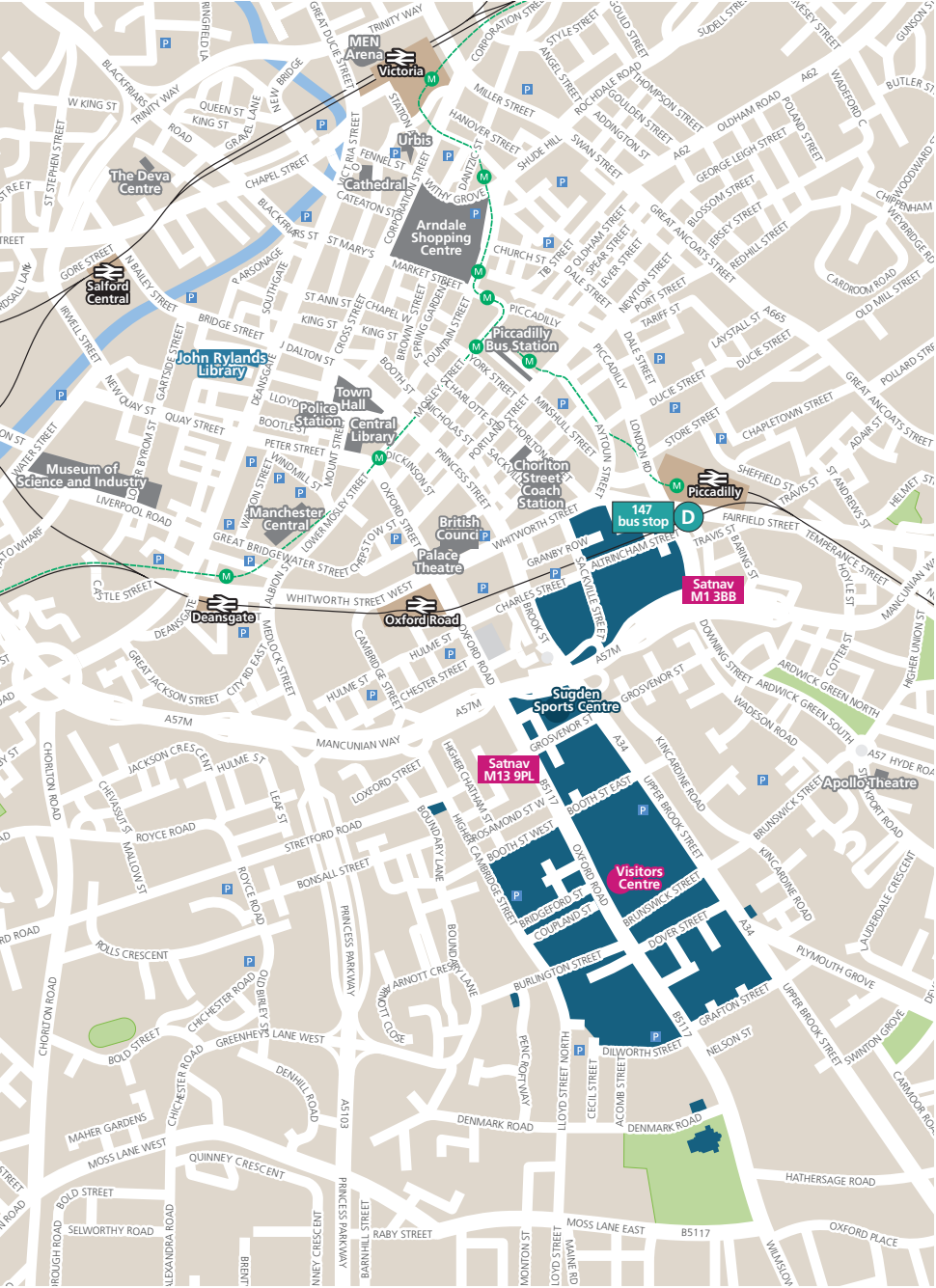
At the end of the motorway join Hyde Road (A57). Continue along for approximately three miles (5km), following signs for the city centre. Upon reaching a major roundabout (the Apollo Theatre is on the left) take the second exit, Brunswick Street (signposted 'Universities'). Continue along and go straight through the next set of traffic lights. Continue to the T-junction and turn right onto Oxford Road (B5117). Our Visitors Centre is on the right-hand side in University Place (building 37 on the campus map).

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## SATNAV

- North Campus  
Sackville Street M1 3BB
- South Campus  
Oxford Road M13 9PL

# CITY MAP



The University of Manchester  
Oxford Road  
Manchester  
M13 9PL  
United Kingdom

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

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