

The University  
of Manchester

MANCHESTER  
1824



# postgraduate prospectus

2012 entry

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

# welcome

We have teaching and research in more subjects than any other UK university – so this prospectus can only offer you a brief introduction to our exciting opportunities for postgraduates.

Find more detailed and up-to-date information about courses and the University on our website, via the contact details provided in each section of this prospectus, and via our admissions social media:



[www.facebook.com/admissionsuom](http://www.facebook.com/admissionsuom)



[www.twitter.com/admissionsuom](http://www.twitter.com/admissionsuom)

## come and meet us

For information about open days and visiting the University, see:

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

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

tel +44 (0)161 275 4740



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# the university

With a distinguished history of academic achievement and an ambitious agenda for the future, The University of Manchester offers you a learning experience rooted in a rich educational heritage and boosted by cutting-edge research and innovation – all at the heart of one of the world's most vibrant cities.







Our tradition of success stretches back over 180 years. The birth of the modern computer, the splitting of the atom, the founding principles of modern economics – these and many more world-changing innovations have their roots at our University.

Today, our research is internationally renowned across diverse disciplines and we actively assist our staff and students in turning many research and entrepreneurial ideas into commercial business ventures. We have more Nobel Prize winners on our current staff than any other UK university – including both of the 2010 joint winners of the Nobel Prize for Physics.

Our mission – backed by an ongoing £650 million investment in facilities, staff and buildings – is to become one of the world's top 25 universities and the preferred destination for the best tutors, researchers and students.

Choose The University of Manchester and you will join one of Britain's most forward-thinking universities, which builds on its success year on year – and invites you to do the same.

# international research excellence

Our global reputation for pioneering research and proactive relationships with industry and public services makes us a centre for academic excellence and a dynamic force for positive change – achievements that you can both benefit from and contribute towards as a postgraduate student.

## Manchester offers you...

- Official ranking of third in the UK, after Oxford and Cambridge, in terms of “research power”
- Close industrial partnerships that inform our research and your courses, and boost your career prospects
- Multidisciplinary research environments
- Cutting-edge facilities boosted by ongoing multimillion-pound investment

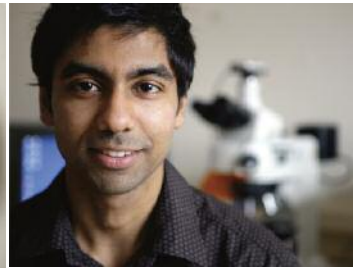
## A research-intensive university

Many major 20th century advances began in our laboratories, such as the work by Rutherford leading to the splitting of the atom and the development of the world's first programmable computer in 1948.

Today, research remains at the heart of The University of Manchester. We research in a wider range of academic areas than any other British university and we are officially rated third in the UK in terms of “research power”, close on the heels of Oxford and Cambridge.

We have also risen in the prestigious Shanghai Jiao Tong Ranking of the World's Top Universities, from 53rd in the world in 2005 to 44th in 2010 (and ninth in Europe).

In 2008/09, the University attracted more than £270m of research-related income from external sources. We are one of the top three universities for grant funding from the main UK bioscience and science and engineering research councils.



## Supporting business innovation

Manchester also has an impressive track record when it comes to turning ideas into commercial reality. Our technology transfer company, University of Manchester Intellectual Property Ltd (UMIP), works with researchers, entrepreneurs, business people, professional advisers and investors to handle hundreds of invention disclosures submitted by our academics and to help create spin-out companies based on our current research. UMIP also helps to attract world-class academics to the University by providing a dynamic, top-class support system in which they can participate and succeed in commercialisation projects.

## Investment in y/our future

Committed to providing first-class facilities for our students and researchers, we are currently investing more than £650 million in the largest and most ambitious capital building programme in British higher education. Projects recently opened include: our flagship building, University Place; Alan Turing Building, for Mathematics, Physics and Photon Sciences; Arthur Lewis Building, for Environment and Development, and Social Sciences; AV Hill Building, home to Life Sciences; and the Manchester Interdisciplinary Biocentre. Also set to open in 2012 is the Alan Gilbert Learning Commons (see p28).

This unrivalled programme of investment in talent and facilities is driven by 'Towards Manchester 2015', our ambitious agenda for the future, which aims to drive Manchester further at the forefront of global higher education.

## Recent research developments

The University is committed to breaking down limitations and introducing fresh, interdisciplinary ways of working, which are opening up exciting new areas of study and discovery in our 22 academic schools and our University research institutes.

In the past few years, we have launched new interdisciplinary research institutes in: aerospace; bioscience and biomedicine; health sciences; global poverty; neuroscience; cancer research; photon science; social change; environmental sustainability; science, ethics and innovation; nuclear science; cosmopolitan cultures; public policy; and molecular imaging. In addition to these institutes, there are more than 50 specialist research centres at the University, each undertaking pioneering research into areas ranging from genetic disorders to artificial intelligence.

Partnership with other universities has led to initiatives such as the Northern Aerospace Technology Exploitation Centre (NATEC), which aims to help to maintain and enhance the competitiveness of the UK aerospace industry.

## What our research credentials mean for you

High-quality facilities and teaching combined with our interdisciplinary approach to research enable you to benefit from world-class research and learning opportunities throughout your time at The University of Manchester.

As a postgraduate student here, you will make a major contribution to our research excellence. You'll add to the dynamic research culture flourishing throughout our Schools and benefit from international research leadership under distinguished scholars. Whether studying for a taught postgraduate award or a research degree, you will be directly involved with cutting-edge research and pushing the barriers to creativity.

Decades of excellent working relationships with organisations from a diverse range of industry areas also provide 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 choices.

If your ambition matches ours and you are looking for an unparalleled commitment to excellence, we warmly invite you to join us at Manchester.



## The Research Assessment Exercise 2008

The Research Assessment Exercise (RAE) measures the quality of research conducted in universities and other higher education institutions in the UK against international standards of excellence, and enables the higher education funding bodies to distribute public funds on the basis of quality. These funds allow us to continue to recruit the best research staff and students, continue building strong links with industrial and research partners, and sustain investment in our facilities.

The University put forward research staff from each subject area for the most recent RAE in 2008, whose research activity was assessed and judged to fit within the following categories of quality:

- 4\*** World-leading in terms of originality, significance and rigour.
- 3\*** Internationally excellent in terms of originality, significance and rigour, but falls short of the highest standards of excellence.
- 2\*** Recognised internationally in terms of originality, significance and rigour.
- 1\*** Recognised nationally in terms of originality, significance and rigour.

**Unclassified** Falls below the standard of nationally recognised work.

Throughout the 'study' pages in this prospectus, you will find an 'RAE key', which reveals what percentage of research activity carried out within each subject area fits within the above starred categories.

The table here reveals the number of full-time equivalent (FTE) research staff from each subject area who were submitted for assessment to the 2008 RAE– and the percentage of research activity by these staff members that was judged to be either world leading (4\*) or internationally excellent (3\*).

Find out more: [www.manchester.ac.uk/research](http://www.manchester.ac.uk/research)

We are delighted with our impressive ratings in the RAE 2008, which places us third in the UK in terms of "research power" as we continue to increase the number of first-rate professorships, build on our strong links to industry, and invest in world-class facilities for our staff and students.

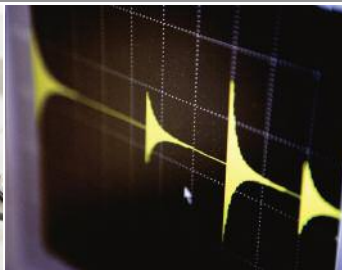
Ranking 3*	University	FTE research activity judged to be 4* and 3*
1	University of Oxford	1,580
2	University of Cambridge	1,452
3	The University of Manchester	1,194

Source: HEFCE RAE 2008

## the rae results

Unit of assessment	FTE staff submitted for assessment	% of research activity judged to be 4* and 3*
Allied Health Professions and Studies	24	50%
Anthropology	24	50%
Applied Mathematics	29	60%
Archaeology	13	60%
Asian Studies	7	35%
Biological Sciences	107	65%
Business and Management Studies	182	65%
Cancer Studies	39	90%
Cardiovascular Medicine	24	75%
Chemical Engineering	33	75%
Chemistry	58	65%
Classics, Ancient History, Byzantine and Modern Greek Studies	17	55%





Unit of assessment	FTE staff submitted for assessment	% of research activity judged to be 4* and 3*
Computer Science and Informatics	72	85%
Dentistry	20	75%
Development Studies	37	65%
Drama, Dance and Performing Arts	10	85%
Earth Systems and Environmental Sciences	37	70%
Economics and Econometrics	35	80%
Education	41	55%
Electrical and Electronic Engineering	46	70%
English Language and Literature	33	75%
Epidemiology and Public Health	21	60%
French	15	50%
General Engineering and Mineral and Mining Engineering	52	70%
Geography and Environmental Studies	22	65%
German, Dutch and Scandinavian Studies	11	55%
History	34	60%
History of Art, Architecture and Design	17	80%
Iberian and Latin American Languages	14	75%
Italian	7	55%
Law	62	50%
Linguistics	15	55%
Metallurgy and Materials	49	80%

Unit of assessment	FTE staff submitted for assessment	% of research activity judged to be 4* and 3*
Middle Eastern and African Studies	12	60%
Music	14	85%
Nursing and Midwifery	58	85%
Other Hospital-Based Clinical Subjects	39	70%
Other Laboratory-Based Clinical Subjects	15	50%
Pharmacy	32	70%
Philosophy	14	45%
Physics	83	55%
Politics and International Studies	46	50%
Pre-Clinical and Human Biological Studies	73	65%
Primary Care and Other Community-Based Clinical Subjects	13	80%
Psychiatry, Neuroscience and Clinical Psychology	40	50%
Psychology	31	45%
Pure Mathematics	27	60%
Russian, Slavonic and East European Languages	6	70%
Social Work and Social Policy and Administration	13	45%
Sociology	49	60%
Statistics and Operational Research	11	55%
Theology, Divinity and Religious Studies	24	65%
Town and Country Planning	18	60%

# enhancing your employability

Whether you want to work in business, academia, industry, public services, or not-for profits, or you simply want to keep your options open, postgraduate study at Manchester can help you to realise your ambitions.

## Manchester offers you...

- A globally recognised postgraduate qualification from a university with an outstanding reputation
- One of the most targeted UK universities by thousands of graduate recruiters
- One of the UK's best careers services, consistently earning distinctions and awards
- Advice from trained careers consultants who specialise in working with postgraduates
- Practical skills-development courses and workshops to help you stand out from the postgraduate crowd

## More than a degree...

While postgraduate study in itself will further your knowledge and prospects, in today's competitive graduate jobs market you need more than academic success. You need to build your skill set and demonstrate your employment potential – and at Manchester we offer you many exciting opportunities to enhance your postgraduate CV.

## Why Manchester?

You will join a distinguished community of world class academics at the cutting edge of research, with diverse opportunities to develop skills, learn from academic and industry professionals and demonstrate your potential to employers.

Innovative Faculty skills-training programmes for research students help to improve your research skills and increase your employability, with opportunities to learn from employers and alumni.



Manchester graduates are greatly in demand by major employers and our alumni have an impressive track record of becoming leaders in their fields, such as philosopher Wittgenstein, novelist Anthony Burgess, flight pioneer Arthur Whitten-Brown and women's rights campaigner Christabel Pankhurst; or, more recently, Dr Alan J Wood, Chairman at Siemens, and actor/writer Meera Syal.

## The Careers Service

Our Careers Service runs popular careers fairs covering finance, business, science, engineering, technology, and law, and advertises vacancies with more than 4,000 recruiters each year through an online service exclusively available to our students and graduates.

Other services include: an information-packed careers website; a well-equipped Careers Resource Centre; diverse career events; and one-to-one guidance sessions by postgraduate consultants, who can help you to explore your options and work to achieve your career goals.

Pioneering services for international recruitment include live global webcasts with overseas employers, Manchester networking events and work experience opportunities exclusively for international students. We also run popular and informative careers blogs, including two dedicated respectively to postgraduate and international students.

Our Manchester Gold careers mentoring scheme offers you focused support in your chosen career from an expert in your field. An active Students' Union supports a wide range of societies and campaigns that you can join to boost your CV. Finally, our Careers Service advertises volunteering opportunities, enabling you to contribute to your local community, demonstrate real achievements to employers and feel part of our vibrant city during your postgraduate studies.

Act quickly and investigate opportunities at our Careers Service as soon as you start your course, in order to get the best chance for a successful, fulfilling future.

[www.manchester.ac.uk/careers](http://www.manchester.ac.uk/careers)  
<http://manchesterepgcareers.wordpress.com>

# employer profile

**Name** Neil Barrett  
**Job title** Graduate Recruiter  
**Company** Tessella plc



## Why are you interested in recruiting University of Manchester postgraduates?

"Manchester is a consistently high-ranking university with a great reputation for producing top-class postgraduates across a range of academic subject areas, which are relevant to our business. We currently have 14 employees with PhDs from Manchester and they do a fantastic job of creating innovative software solutions to solve a variety of real-world problems.

"We recruit postgraduates in general because the transferable skills gained in academic research give them the knowledge and expertise to readily understand our customers' business issues and equip them with the tools to transform our customers' requirements into innovative solutions. Over 60% of our staff have PhDs; this is what makes Tessella unique and so successful."

## What careers activities do you participate in at the University that postgraduates might benefit from?

"Each year we exhibit at the PhD Zone in the summer, as well as at the Science, Engineering and Technology Careers Fair in the autumn. We also participate in smaller, more targeted recruitment events arranged by specific departments."

## What do you look for in a postgraduate employee?

"We look for a combination of scientific expertise and software programming skills, as well as softer skills such as communication, presentation and organisation. A desire to work in varied and challenging role is a must; from the start of their careers at Tessella, our staff work on and contribute to real projects for our customers, solving challenging problems across a range of different science and engineering industries, not necessarily directly related to their field of research."

## Are extra-curricular activities important?

"Yes, extra-curricular activities are very important. They develop the softer skills, such as team working, leadership and effective communication, which are just as vital to our success as technical ability, especially for our growing consulting services."

## What advice would you offer a new postgraduate student at Manchester?

"Although your research will equip you with the necessary technical skills, be sure to broaden your experience and get involved in extra-curricular activities to develop your soft skills."



# graduate profile

Name	Anthony Dellureficio, graduate (2009)
Age	29
From	New York, USA
Course	MSc in History of Science, Technology and Medicine
Job title	Systems Manager, New School University, New York



## Why did you choose to come to Manchester?

"As an American looking to further my studies in the History of Science, Technology and Medicine, I knew there are very few, if any, masters courses in this field in the United States.

"I specifically chose Manchester for two reasons. First, CHSTM is listed as a Wellcome Unit. Its affiliation with the Wellcome Trust, one of the largest funders of history of medicine research in the UK, indicated to me that CHSTM had a level of both institutional support and standards that I respected. Second, there are a number of professors with whom I was eager to work, based on my familiarity with their writing in the history of genetics and the history of medicine."

## What was the highlight of your degree?

"CHSTM has a close-knit community of professors, post-docs, and graduate students. I enjoyed interacting with them in small class settings, as well as at weekly seminars, departmental events, and informally in the CHSTM library. The highlight for me was being a part of this community, where I felt I was constantly learning as well as contributing."

## How has your career progressed since graduating?

"In the field of library science – in which I had previously worked and received a masters degree before attending The University of Manchester – the standard for advancement is to have a second masters degree in a subject area. Having the second subject-area specialty opened up a higher pay grade to me and allowed me to apply for jobs to which I could not have previously applied.

"I am now the Systems Manager for all libraries at the New School University in New York, with additional duties developing science collections and reference as a science librarian. I oversee the digital laboratory, maintain all library servers and databases, troubleshoot our Integrated Library System, and plan technology implementation for the libraries. Because of my science background, I am also in charge of selecting new library acquisitions for the science department and providing reference support for the sciences.

"My masters at CHSTM helped me sharpen my writing and researching skills, which are both vital parts of librarianship. Those are the very skills I am helping others hone through their research."

# your study options

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

## Modes of study

The different modes of study available for each qualification are outlined in the course and programme lists in the subject sections of this prospectus.

Most of our students study for a postgraduate qualification on a full-time basis, but many taught courses and research programmes can be studied part-time. International applicants from non-EU countries should note that the terms of entry into the UK normally prevent you from registering for a programme on a part-time basis.

Several Schools offer postgraduate qualifications – mainly taught masters – via distance learning (also known as distributed learning, or e-learning). Distance learning allows you to learn through self-study, using printed materials and web-based resources.

Here follows a brief guide to the different types of qualification we offer and the different ways in which you can study them.

## Levels of study

### 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) and the Diploma in Social Work (DipSW), as well as general courses. They are structured either in a similar way to masters courses (but without the need for a dissertation), or – as in the case with the PGCE and DipSW – they are specifically vocational.

**Masters degrees:** These are 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). The MBA course 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 five or six months' research, culminating in a dissertation. The balance of the 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 are committed to providing a research culture and postgraduate researcher experience that supports you through every stage of your research programme. As part of our researcher development strategy we provide you with opportunities to acquire skills that will complement your research programme and help you to achieve your personal and career development goals. Developed on the basis of a 'personal development plan' and 'skills audit', the training is delivered on-demand, to meet your individual needs.

**MSc by Research:** A 12-month programme including subject-specific taught course units, research skills training and a substantial research project, or series of research projects.

**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 work. You may follow successful completion of the MPhil (including the preparation of a detailed plan for a doctoral research project) by registration for a PhD.

**Doctor of Philosophy (PhD):** Lasting at least three 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 are 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 and examination of your final thesis.

**Integrated PhD:** Usually lasts four years, combining work towards the award of a full University of Manchester PhD with masters-level taught units and personal development training.

**Collaborative PhD:** This is designed to provide you with the opportunity to undertake a research project with a sponsoring partner from industry or commerce. For further information, contact the School you are interested in.



**Split-site PhD:** There may be opportunities in some subject areas for you to undertake a PhD on a split site basis. Please contact the relevant School or Faculty for further information.

**Doctor of Engineering (EngD):** A four-year programme combining the academic strengths of a conventional PhD with the practical benefits of linking the research to the specific needs of a collaborating company. You also receive training in management theory, leading to the award of a Diploma in Enterprise Management. For further details, contact the EngD Centre: tel +44 (0)161 3064157 email [engd.centre@manchester.ac.uk](mailto:engd.centre@manchester.ac.uk)

**Master of Enterprise (MEnt):** A 12-month research masters designed to train and support you in developing business ideas, the MEnt comprises two compulsory enterprise units and two optional units from any discipline, as well as a project. The project combines the subject-specific knowledge and enterprise skills required to develop a viable business proposition.

**Enterprise Doctorate (EntD):** A four-year programme involving discipline-specific research and development, enterprise training and experience in knowledge transfer and business. The core is a project that embraces research work and commercialisation from the concept to the marketplace. For further information on MEnt or EntD, contact the Enterprise Centre:

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

**Professional Doctoral Programme:** These relate to specific professional areas and incorporate a taught element. They are available in:

- Counselling (DCouns)
- Drama (Doctor of Applied Theatre)
- Educational Psychology (DEdPsy)
- Educational and Child Psychology (DEdChPsy)
- Education (EdD)
- Clinical Psychology (ClinPsyD)
- Business Administration (DBA)
- Practical Theology (DPT)





## Skills training

Studying for a postgraduate award at The University of Manchester means more than deepening your knowledge in an academic discipline. We are committed to providing you with the environment and support that allow exceptionally high quality research to flourish.

A key factor is the support we offer our postgraduate research degree students. Each Faculty offers comprehensive skills-training programmes that contribute not only to the quality of our research output, but also to the employability of our research degree students. For more details, please contact the School or Faculty you are interested in.

Our award-winning Careers Service also runs a range of activities dedicated to all postgraduates to help you to enhance your employability while studying.

See *Enhancing your Employability*, p8.

## Start dates

Taught postgraduate courses (with the exception of the MBA) and research masters have one annual intake, starting mid to late September each year.

For research programmes (MPhil and PhD), there are four possible points for enrolment: late September, January, April and July.

# support

We are committed to providing all our postgraduate students with the academic, personal and professional support you need to help you.

## Manchester offers you...

- A wide range of experienced and sympathetic people, support and advice to help you find a solution to any difficulty – financial, academic, personal, or administrative
- Dedicated support for different student groups

## Student support

Whatever the issue – financial, academic, personal, or administrative – we have experienced and sympathetic people, support groups and advice services to help you. Find out about counselling, academic advice and various other student support services:

[www.studentnet.manchester.ac.uk/crucial-guide](http://www.studentnet.manchester.ac.uk/crucial-guide)

## Funding and finance

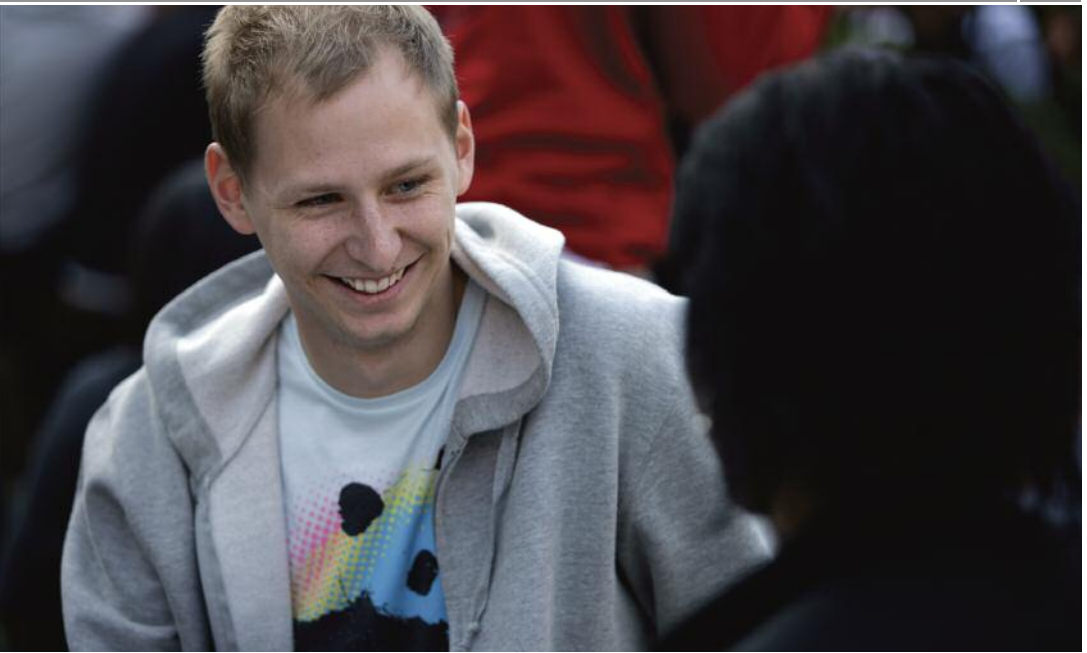
Find out more about tuition fees and student finance, including international fees, payment options, cost of living and managing debt:

[www.studentnet.manchester.ac.uk/crucial-guide/financial-life](http://www.studentnet.manchester.ac.uk/crucial-guide/financial-life)

## Childcare

There are two centres associated with the University for children between six months and five years of age: Dryden Street Nursery and Echoes Nursery. Find out more about funding options, private nurseries, playgroups and schools:

[www.studentnet.manchester.ac.uk/crucial-guide/university-life/student-parents](http://www.studentnet.manchester.ac.uk/crucial-guide/university-life/student-parents)



## 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, while the Roman Catholic Chaplaincy is at Avila House. Hillel House provides facilities for Jewish worship. There are prayer facilities on campus for Muslim students and student societies for many religions.

## Disability support

If you have additional needs arising from a medical condition, a physical or sensory disability, or a specific learning difficulty, you are strongly encouraged to contact the University's Disability Support Office to discuss your needs, any arrangements that may be necessary and the extent to which appropriate support is available.

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

tel +44 (0)161 275 7512  
minicom +44 (0)161 275 2794  
[dso@manchester.ac.uk](mailto:dso@manchester.ac.uk)

## Alumni

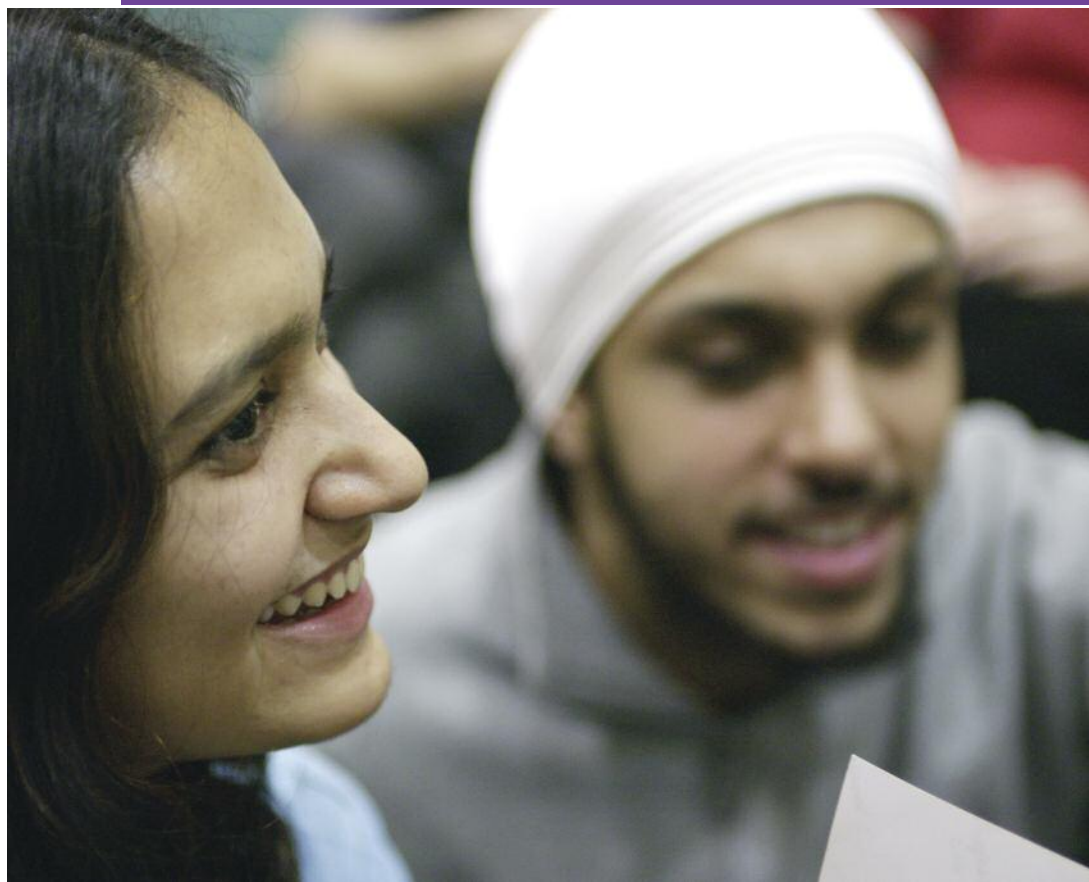
After your studies, our Alumni Association will keep you connected both to the University and to Manchester alumni worldwide via the interactive alumni web community 'Your Manchester Online' and a programme of events, reunions and networking opportunities. A wide variety of benefits and services for alumni are provided and, if you keep us updated with your address, you will receive the free, annual magazine.

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

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

# international postgraduate support

As an international student, you can be sure of a warm welcome here at The University of Manchester. This year, 9,500 students from over 150 countries are studying with us.







## Specialist services and support for international students

Arriving in a new country is an exciting time, but we know that it can also be a somewhat daunting prospect. We want you to feel welcome and settle in quickly when you arrive in Manchester. To help you to do this, we offer a number of services to make this process as straightforward as possible. These include:

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

**Airport collection service** (available in September) – Provides a warm welcome with free collection and transportation service from Manchester Airport to your accommodation.

**Orientation programme** – Our practical orientation courses cover everything from finding your way around, to using public transport and buying essential items, opening bank accounts, etc. In addition, 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 orientation and welcome services, see:

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

## International student societies

The 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.

## International Advice Team

The University is committed to supporting international students at all levels. Our range of support includes a dedicated International Advice Team, which can provide assistance on any issues you may have during your time with us, including visa advice or working in the UK. Please contact us via email: [iat@manchester.ac.uk](mailto:iat@manchester.ac.uk)

## Find out more

Contact the International Office:  
[international@manchester.ac.uk](mailto:international@manchester.ac.uk)

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

"I am a member of the International Society, which has a lot going for international students, like trips to different places in the UK, cultural evenings; sometimes there are some free tickets to the Royal Northern College of Music Concerts and lots of other activities. Everyone, irrespective of personality and interest, would find a suitable activity. The society also sends us regular emails, which keep us abreast with 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. They send us emails advising us on topical visa issues, immigration issues, and help us keep up-to-date with the changes that take place from time to time.

"I am a Commonwealth Scholar, meaning that I am fully funded by the Commonwealth. They pay my tuition, as well as provide me with a monthly stipend. The scholarship is competitive."

Olive Sabiiti, PhD Law  
From Kampala, Uganda

# finance

The University of Manchester firmly believes in the value of postgraduate education. Checking what's included in your tuition fees, investigating potential sources of funding and being aware of likely expenses will all help you to manage your budget while you study for your postgraduate degree.

## Tuition fees

University tuition fees cover the cost of your study at the University, as well as charges for registration, tuition, supervision, examinations and graduation. By paying tuition fees, you are also entitled to membership of the Library, the Students' Union and the Athletic Union.

Tuition fees vary and are sometimes dependent on the type of subject being studied.

For all current tuition fees and further information relating to the fees due for individual programmes of study, refer online:

[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

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. Please note that most funding bodies require you to hold at least a provisional offer of a place to study at the University before applying for a studentship.

### University funding

As well as attracting substantial external funding, The University of Manchester has a significant number of its own funds within its Schools and Faculties. Contact the School or Faculty that you are thinking of applying to for further details of any available funding.



From October 2011, The University of Manchester is launching the President's Scholar Award. This major new University investment in doctoral funding will be used to recognise and support the most outstanding postgraduate research students. Details can be found on the University website or by contacting your School or Faculty.

### All funding

Full details of all sources of available funding, both external and internal, can be found by searching the postgraduate funding opportunities database at: [www.manchester.ac.uk/postgraduate/funding](http://www.manchester.ac.uk/postgraduate/funding)

### Cost of living

Relative to some other UK cities, Manchester is an affordable place to live – in fact, the NatWest Student Living Index 2010 found Manchester to be the third most cost-effective student city in the UK. This is something to bear in mind as you calculate the process of essentials such as accommodation, food and books.

Estimated postgraduate living expenses *	Per year, 52 weeks (£)
Accommodation (average cost for self-catering halls)	£5,450
Meals	£1,820
Books and stationery (depending on your course, and if you buy new or second-hand)	£480
Clothes (including provision of warm clothing and footwear)	£480
Transport	£640
Other expenses (eg entertainment, sport, photocopying, phone calls, etc)	1,800
<b>Total</b>	<b>£10,680</b>

*\* This table presents approximate costs for the 2011/12 academic year. Actual costs will depend on your lifestyle.*

# applying

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.

## How to apply

You can apply online for our taught and research degrees at:

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

In some overseas countries, we also 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 covered by our Student Admissions Policy. You can find this at:

[www.manchester.ac.uk/postgraduate/howtoapply/policies](http://www.manchester.ac.uk/postgraduate/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 course or programme of study. 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)

## English language requirements

A high level of English is required for all courses to ensure that you get the most from your studies. If your first language is not English, you will also need to provide evidence of your English language proficiency to the required level (this can vary from course to course). If you need to undertake further studies in English language, the University Language Centre (ULC) provides a variety of British Council-accredited language programmes.

*See p24-25 for more advice in this area.*



## Disability support / Applicants with additional support needs

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

If you are a candidate with additional support needs, our University Disability Support Office (DSO) can offer you confidential advice and you can discuss any support needs you may have, arrangements that maybe necessary, and the extent to which appropriate support may be available. The DSO can supply further information and a member of staff will be pleased to meet you, by prior arrangement, if you would like to visit.

Visit our website for more detailed information:  
[www.manchester.ac.uk/dso](http://www.manchester.ac.uk/dso)

Alternatively, contact our DSO direct:  
tel +44 (0)161 275 7512/8518  
minicom +44 (0)161 275 2794  
[dso@manchester.ac.uk](mailto:dso@manchester.ac.uk)

## Equality and diversity

The University of Manchester is committed to providing a positive learning environment free from discrimination, harassment and bullying, where all students are treated with respect and dignity. We aim to ensure that all students have equal access to the full range of institutional facilities, wherever possible. We also involve and consult with students on key issues that are important to them.

Visit our website for more detailed information:  
[www.manchester.ac.uk/equalityanddiversity](http://www.manchester.ac.uk/equalityanddiversity)

Alternatively, contact the Equality and Diversity Team:  
tel +44 (0)161 306 5857  
[equalityanddiversity@manchester.ac.uk](mailto:equalityanddiversity@manchester.ac.uk)



# english language requirements and support

An ability to communicate effectively in English is vital to academic performance and progress at the University. Non-native English speakers must therefore have a high level of fluency in the English language to allow you to benefit fully from our lectures and tutorials. This will also be a valuable skill that can improve your job prospects at an international level.

## Specific requirements

For most international students who have not achieved a grade C or above in GCSE, IGCSE, or O-level English, you will be required to demonstrate your English proficiency through an 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, but tend to be in the region of 6.5 to 7.0 IELTS.

The course listings on our University website provide information on specific language requirements for individual courses.

The University does accept some other testing systems for individual countries. Find out 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.

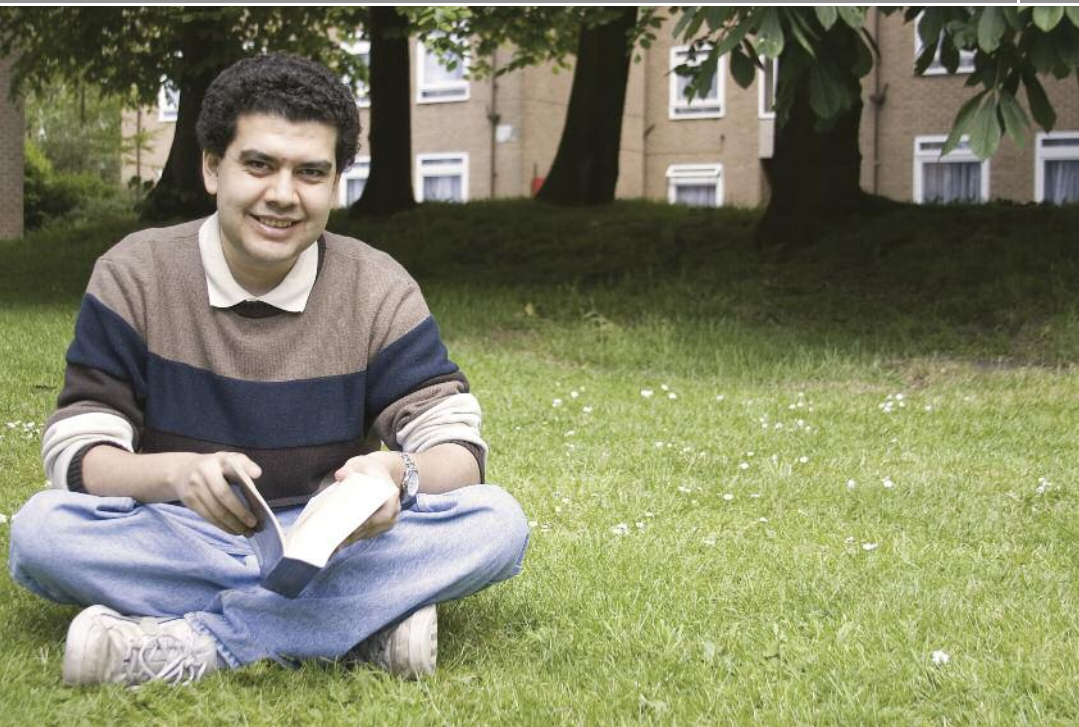
The table opposite shows some common English language tests we accept at The University of Manchester.

Please note that IELTS and TOEFL scores remain current for two years. If you are applying with a certificate that was achieved more than two years prior to your application, you will need to 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

The University Language Centre (ULC) has over 30 years' experience of running English language courses for 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).

## Find out more

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

## Common English Language tests accepted by The University of Manchester

IELTS / TEEP	TOEFL				NCUK EAP		Cambridge ESOL		PTE <sup>1</sup>
	PBT	CBT	TWE	IBT	GRADE	% Range	CAE	CPE	Score Range
7.0	600	250	5.5	100	A	70-79	B	C	55-73
6.5	577	233	5.5	90	B	60-69	C	C	59-65
6.0	550	213	5	80	C	50-59	C	C	51-58
5.5	527	197	5	71	D	40-49	C	C	43-50

<sup>1</sup>PTE: Pearson Test of English: Academic

# accommodation

We do everything we can to help all our new students settle in and find somewhere to live where they'll feel right at home. Whether you prefer university halls of residence, or private housing, Manchester has a massive choice of accommodation available for our postgraduate students.

## Manchester offers you...

- More spaces in University-managed accommodation than virtually any other university in the country
- Extensive housing choice, from modern self-catering flats to traditional collegiate-style halls of residence
- The option of postgraduate-only University accommodation
- Guaranteed University accommodation for international (non-EU) students throughout your studies

## University accommodation

With more than 9,200 rooms, The University of Manchester has more spaces in University-managed accommodation than virtually any other university in the country, almost all of which is within two miles of campus.

Some residences are reserved exclusively for postgraduates; in others, graduate students are roomed together.

We've got options to suit all tastes: from modern, self-catering flats, to traditional, collegiate-style, catered halls of residence. Both single and mixed sex accommodation is available, and there is the choice of en-suite or standard facilities.

We also 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 rooms are internet-connected.



## Costs

Accommodation costs vary, depending on facilities, but in 2011-12 the average costs are:

- £93.00 per week for a single self-catering room with shared facilities
- £116.00 per week for a single self-catering room with en-suite facilities
- £125.00 per week for a single room with shared facilities in a catered hall

## International students guarantee

If you are an international student (ie non-UK/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 meet the following conditions:

- Come to the University alone
- Have a firmly accepted place at the University
- Apply for accommodation by 31 August
- Reapply 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, but you should note that the offer of a room may not be available to you immediately.

## Find out more

Contact the Accommodation Office:  
tel: +44 (0)161 275 2888

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

## Private accommodation

Outside halls of residence, 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.

tel +44 (0)161 275 7680  
[manchestersudenthomes@manchester.ac.uk](mailto:manchestersudenthomes@manchester.ac.uk)  
[www.manchestersudenthomes.com](http://www.manchestersudenthomes.com)

# campus

The University of Manchester's location gives you the best of both worlds: city and campus. Our comprehensive facilities offer you plenty to do, see, explore and experience while furthering your studies as a postgraduate student at Manchester.

## Manchester offers you...

- Balance between city life and campus community
- Outstanding facilities, boosted by ongoing investment
- On-campus museum, art gallery and theatre
- World-class sports facilities
- The UK's largest Students' Union

**"Manchester's developed a surprisingly close-knit student community. The two halves of the campus are compact and close-by, so no one gets isolated."**

The Push Guide to Which University

Our campus boasts a distinctive blend of architecture, from grand, traditional Victorian buildings, to innovative, brand-new facilities. Although it covers a large area close to the city centre, it still offers quiet corners, landscaped gardens and secluded quadrangles.

Currently undergoing an exciting period of transformation and improvement, we are well on the way to completing the largest programme of capital investment ever seen in British higher education.

### The Alan Gilbert Learning Commons

Set to open on campus in 2012, this is a flexible, ultra-modern and stimulating space dedicated to our students in which you'll be free to relax and learn. Uniquely designed to support the learning needs of the 21st-century student, it will include cutting-edge IT facilities, a host of student-centred activities and various learning support services, all available on a 24/7 basis for your convenience.

### Library and information services

With more than four million printed items in stock – including some of the greatest printed books and manuscripts ever produced, and a collection of





electronic resources that is unrivalled in the country – the John Rylands University Library (JRUL) is one of the best-resourced academic libraries in the UK. JRUL is also widely recognised as one of the world's great research libraries, and is the only one of the country's National Research Libraries to be located outside of the South of England.

Faculty teams look after the needs of students of all subjects taught and researched at the University. As part of the University's commitment to research skills training, the Library offers a high quality skills programme specifically aimed at researchers and their needs.

The Main Library has long opening hours, including 24-hour opening during exams. For those times you are unable to visit, the vast majority of the JRUL's electronic resources can be used remotely via the web. [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. Our facilities include:

- More than 3,000 student PCs accessing a huge range of software, academic data and resources from across the world

- WiFi networking in key locations across campus
- University halls of residence fully networked via the HORNET system (a small yearly fee applies for private halls of residence), which provides high-speed access to your University account and the internet from your study bedroom
- Access to computer facilities 24 hours a day in selected clusters on campus and in Owen's Park halls of residence
- University email account and a secure personal file storage area on the University network for all students

If you have demanding computer requirements, our specialist research support services offer academics and researchers access to national datasets, visualisation and high-performance computing.

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

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



## Cultural facilities

Manchester claims to be the cultural capital of the North, and we are lucky enough to have some of the city's finest cultural assets here on our University campus.

These key visitor attractions include:

**The Manchester Museum**, where you can find an array of treasures from the natural world and the many cultures it is home to. Highlights include a *T.rex* and fossils of other pre-historic creatures, ancient Egyptian artefacts, the acclaimed new Living Worlds gallery and live amphibians and reptiles. You can handle objects from the collection, take part in hands-on activities or enjoy a glass of wine whilst exploring the latest ideas in science, culture and the arts.

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

**The Whitworth Art Gallery**, ten minutes' walk down the road, provides further attractions. In the leafy setting of Whitworth Park, the Gallery contains one of the world's finest collections of English watercolours, as well as an inspiring mix of historic and contemporary artworks. An internationally acclaimed exhibitions programme complements the Gallery's own outstanding collections of prints,

drawings, sculptures, textiles and wallpapers.

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

**Contact** is Manchester's award-winning home for explosive new theatre, inspiring future artists and leaders to take creative risks and make art, drama, spoken word and music.

[www.contact-theatre.org](http://www.contact-theatre.org)

**The Martin Harris Centre for Music and Drama** is a performance space comprising a concert hall, a studio theatre and an electroacoustic music studio. The Centre hosts many musicians, performers and prizewinning authors. It provides a popular space for music and drama events and holds a reading series that has in the past featured such literary luminaries as Martin Amis, Will Self and John Banville.

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

**The John Rylands Library, Deansgate**, houses some of the most significant books and manuscripts ever produced. The magnificent neo-gothic building in Manchester's city centre is a major visitor attraction, as well as a research library of world renown. Collections include exquisite medieval illuminated manuscripts and examples of the earliest forms of European printing, including the Gutenberg Bible, as well as the personal



papers of distinguished historical figures, including Elizabeth Gaskell, John Dalton and John Wesley.

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

**The University's Jodrell Bank Discovery Centre** opened in spring 2011. Based in the heart of the Cheshire countryside, it showcases the work of the world-famous Lovell Telescope and the work of the Jodrell Bank Observatory, part of the School of Physics and Astronomy, and other connected groups within the University. The Centre has a wonderful glass-walled café, with stunning views of the telescope, and beautiful gardens, which are currently being upgraded to include new pathways and a new garden maze based on the structure of our own galaxy, the Milky Way.

[www.jodrellbank.net](http://www.jodrellbank.net)

## Sport and fitness

Sport and fitness is very much a part of University life. With a variety of sports clubs and fantastic facilities we like to think we have something for everyone. We aim to get everyone involved in creating a more active campus and encourage you to find the right lifestyle balance to fit in the recommended 30 minutes of physical activity, three times a week!

You can take part in a range of organised activities through the following programmes:

- **Health and Fitness:** 80+ weekly health, fitness and wellbeing classes, from yoga to high energy aerobics, strength-building kettlebells to fun dance classes
- **Campus Sport:** 3,500 students take part in the intra-mural leagues each week, giving 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 (currently ranked 9th)
- **Manchester Sport Scholarship programme:** Receive up to £2,500 worth of support through this programme, including access to expert services like '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 will be entitled to discounted fees and memberships at any of the following sports facilities:

- **Armitage Centre:** Plans to extend and refurbish the fitness gym will be completed by the time you arrive, offering you a whole host of brand new equipment and a spacious environment. Also available are a double-sized indoor sports hall, a multi-activity room and a variety of fitness classes.
- **Sugden Sports Centre:** Fantastic fitness facilities, workout classes and various indoor sports in two double-sized sports halls, at the heart of campus
- **Manchester Aquatics Centre:** Two Olympic-sized 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 Commonwealth Games facilities, including Manchester Velodrome, Regional Tennis Centre, National Squash Centre, Regional Athletics Centre and City of Manchester Stadium.  
[www.manchester.ac.uk/sport](http://www.manchester.ac.uk/sport)

## Students' Union

The Students' Union is an organisation run by students to provide representation, support, activities and campaigns for the student body of the University. The Students' Union building is the social hub on campus, with spaces to relax, eat, drink and engage in many activities and events to have fun, help improve the community and enrich your qualifications.

Together we aim to make sure that all students get the most out of their time at university, by being inclusive in everything we do and taking your voice to the University at every level. Students make the decisions, run the societies, plan events and even pull the pints; students are at the core of everything we do.

For postgraduate students, we strive to create services that cater to your needs, such as careers seminars and world-class speakers at events, and to bring changes to the University that benefit you specifically.



**The Burlington Society** is specifically for postgraduate and mature students and has its own premises offering tailored information, advice and support, as well as social events, a coffee bar and a popular vegetarian café. See the society website: [www.manchester.ac.uk/burlington](http://www.manchester.ac.uk/burlington)

Many societies are also run by and for international students, including the welcoming International Society.

The Students' Union complements the University provision of support and welfare services. Both our Union buildings have advice centres that are staffed by professional advisers and specially trained student officers. They can help you with academic and non-academic matters and, in particular, with the needs of international, mature and female students. [www.umsu.manchester.ac.uk](http://www.umsu.manchester.ac.uk)

### Find out more

So far we've given you just a taste of what you can find here – so why not come and visit us to see for yourself why we believe that The University of Manchester offers you so much more than your average university campus?

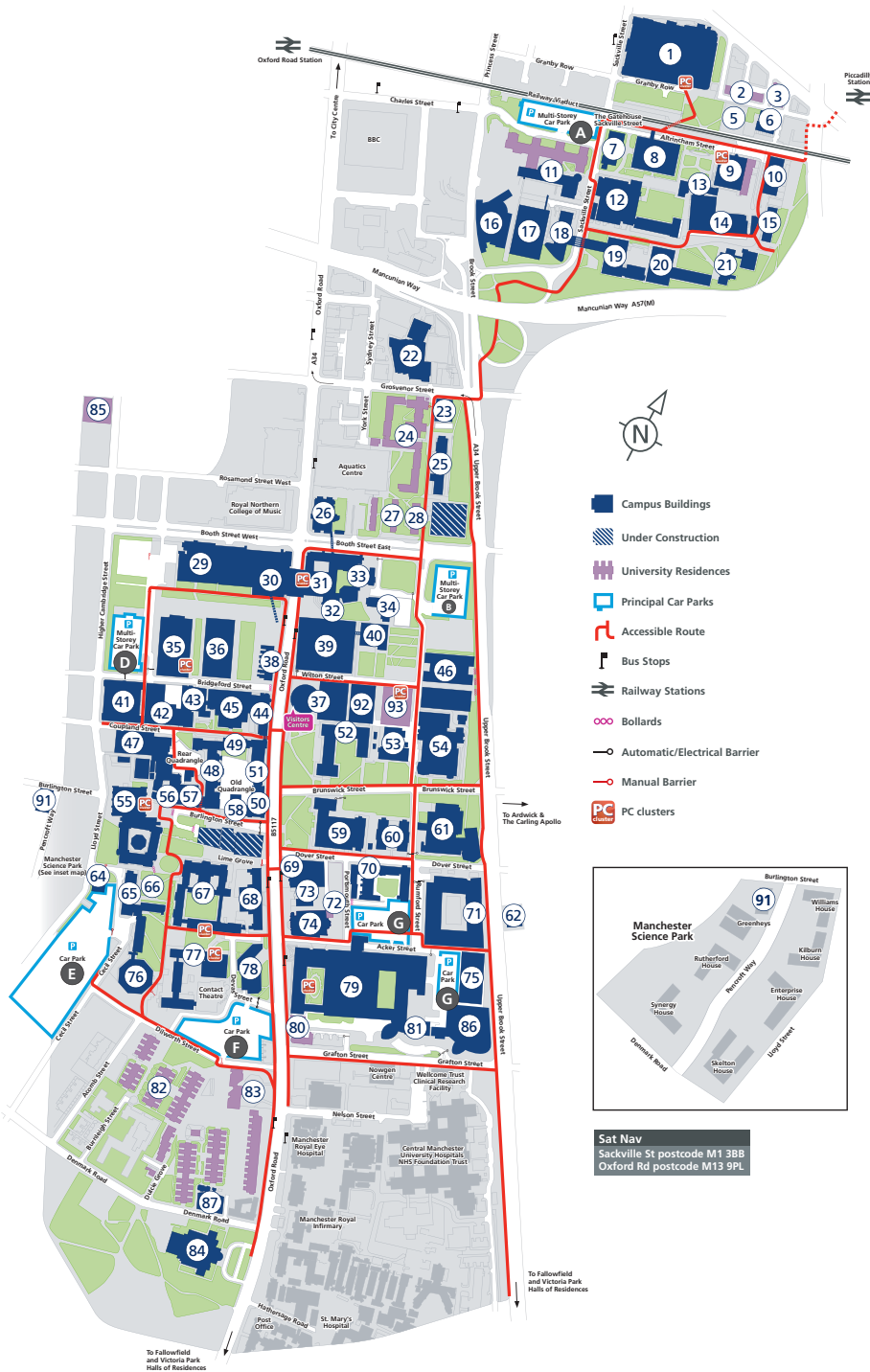
If you can make it, you could join one of our University Open Days, or take your own trip around the grounds and soak up the atmosphere at one of the many cafes, bars and restaurants on campus.

Alternatively, simply find out more online: [www.manchester.ac.uk/postgraduate](http://www.manchester.ac.uk/postgraduate)



# campus map

- 1 Sackville Street Building
- 2 Lambert Hall
- 3 Fairfield Hall
- 5 Chandos Hall
- 6 Echoes Day Nursery
- 7 Paper Science Building
- 8 Renold Building
- 9 Barnes Wallis Building / Students' Union / Wright Robinson Hall
- 10 Vision Centre / Moffat Building
- 11 The Manchester Conference Centre and Weston Hall
- 12 Pariser Building
- 13 Staff House Sackville Street
- 14 The Mill
- 15 Morton Laboratory
- 16 Manchester Interdisciplinary Biocentre - John Garside Building
- 17 George Begg Building
- 18 Faraday Tower
- 19 Faraday Building
- 20 Ferranti Building
- 21 Maths and Social Sciences Building
- 22 Sugden Sports Centre
- 23 Oddfellows Hall
- 24 Grosvenor Halls of Residences
- 25 Materials Science Centre
- 26 Manchester Business School East
- 27 Bowden Court
- 28 Ronson Hall
- 29 Manchester Business School West
- 30 Precinct Shopping Centre  
Harold Hankins Building  
Devonshire House
- 31 Crawford House
- 32 St Peters House/Chaplaincy
- 33 Crawford House Lecture Theatres
- 34 Prospect House
- 35 Humanities Bridgeford Street
- 36 Arthur Lewis Building
- 37 University Place
- 38 Waterloo Place
- 39 Kilburn Building
- 40 Information Technology Building
- 41 Dental School and Hospital
- 42 Martin Harris Centre for Music and Drama
- 43 Coupland Building 1
- 44 The Manchester Museum
- 45 Rutherford Building
- 46 Alan Turing Building
- 47 Coupland Building 3
- 48 John Owens Building
- 49 Beyer Building
- 50 Whitworth Hall
- 51 Whitworth Building
- 52 Williamson Building
- 53 Roscoe Building
- 54 Schuster Building
- 55 John Rylands Library
- 56 Schunck Building  
Burlington Rooms
- 57 Student Services Centre
- 58 Christie Building
- 59 Simon Building
- 60 Zochonis Building
- 61 Chemistry Building
- 62 Dryden Street Nursery
- 64 Environmental Services Unit
- 65 Mansfield Cooper Building
- 66 Stephen Joseph Studio
- 67 Samuel Alexander Building
- 68 Students' Union Oxford Road (also at number 9)
- 69 William Kay House
- 70 Dover Street Building
- 71 Michael Smith Building
- 72 Vaughan House
- 73 Avila House RC Chaplaincy
- 74 Holy Name Church
- 75 AV Hill Building
- 76 AQA
- 77 Ellen Wilkinson Building
- 78 The Academy
- 79 Stopford Building
- 80 Horniman House
- 81 The Manchester Incubator Building
- 82 Whitworth Park  
Halls of Residence
- 83 Grove House
- 84 The Whitworth  
Art Gallery
- 85 Opal Hall
- 86 Core Technology Facility
- 87 Denmark Building
- 91 McDougall Centre
- 92 Jean McFarlane Building (*formerly 37b*)
- 93 George Kenyon Building and Hall of Residence (*formerly 37a*)



# city

Welcome to Manchester: a lively, vibrant metropolis with events, amenities and cultural attractions to appeal to every lifestyle. The University of Manchester is at the heart of this exciting city, both geographically and culturally – and our own buildings, history and people are integral to Manchester's unique, appealing character.

**"Shopping, bars and the epic architecture of the city's industrial past and vibrant present are all a short walk away..."**

The Guardian University Guide

## Meet Manchester...

... a dynamic, cosmopolitan city with a sense of style; an illustrious city of opportunities; a place where you can study, learn, enjoy yourself and join in. As a postgraduate student here, you'll be welcomed into Manchester's diverse, sociable community, where imagination thrives and ambitions are realised.

Although Manchester is one of the largest cities in the UK, with all the amenities you would expect from a modern metropolis, it is also extremely accessible and easy to navigate. Its compact and friendly centre is easy to get around, either on foot or via an extensive public transport system. This includes relatively inexpensive buses, taxis, a modern Metrolink tram system and a large train network with connections throughout the UK.

Manchester International is a major airport with daily flights jetting to 225 global destinations – more than any other UK airport – and a frequent air-shuttle service to London's two main airports, Heathrow and Gatwick, as well as to most major European cities and further afield.



## History and architecture

Manchester's ability to welcome and embrace change throughout its history has given the city a rare energy.

Manchester was at the epicentre of the industrial revolution, and the spirit that brought the world into the modern age is evident in its trademark Victorian buildings and monuments, such as the gothic Town Hall in Albert Square, or the University's own Old Quad.

In more recent years, the city centre has been reshaped: new public spaces have been created and imaginative buildings and developments have appeared, transforming Manchester's skyline.

In the last couple of decades, the Imperial War Museum North (the first British building designed by Daniel Libeskind), the Bridgewater Hall and the Beetham Tower have all made a dramatic impact on the city, both architecturally and culturally. Such huge investment and commitment is enabling our city to rival the best in Europe for 21st century elegance and appeal.

## Eating and drinking

Various pavement cafés and bars offer the perfect opportunity to drink in the scenery along with your preferred tippable, from coffee to cocktails. Food-wise, you're spoilt for choice: alongside diverse British restaurants and fantastic local fare, there's a huge range of international cuisine to sample. With the largest Chinese community outside of London, Manchester's Chinatown is the place to head to for oriental dishes, while the 'curry mile' in Rusholme is lined with shops and restaurants selling Indian, Pakistani, Sri Lankan and Middle Eastern food. Other communities are no less well represented, from Italian to Indonesian, Turkish to Thai.

## Music and theatre

Manchester's vibrant music scene has launched some of the great names in music history, including The Smiths, Joy Division, Oasis, Happy Mondays and the Stone Roses. The city welcomes both famous names and new talent alike, and is a major destination for touring bands.



Big name live music venues include the Apollo, the MEN Arena and the Academy here at our University's Students' Union, which all form an important part of the city's musical landscape. For smaller bands and unsigned talent, you'll find a host of small venues, including Dry Bar and Night and Day; plus there are also active folk, northern soul and jazz scenes.

Classical music is very important to Manchester, with Chetham's School of Music and the Royal Northern College of Music both based here. Audiences have a wide choice of classical events held at the Bridgewater Hall (home of the Hallé orchestra and where the BBC Philharmonic perform), the Royal Northern and The Lowry.

Theatre-goers can find a range of performance styles, from highbrow to avant garde, at one of the city's many theatres. The Lowry's theatre hosts contemporary productions, such as Opera North, while the Royal Exchange's productions include everything from Shakespeare to Noel Coward. Fans of musicals head to Oxford Road's Palace Theatre.

## Museums and galleries

There are more than 50 museums and galleries in Greater Manchester, most of which are free to enter.

Two of the best – the Whitworth Art Gallery and the Manchester Museum – are owned by the University.

The Whitworth, Cube and the Cornerhouse all mix contemporary shows with classics, while the Manchester Art Gallery hosts major new exhibitions alongside its much loved Pre-Raphaelite collection.

The Imperial War Museum North explores the horrors and heroics of war, while The Lowry holds much of the work of the famous British artist LS Lowry, whose distinctive industrial landscapes and thin, harried workers are representative of Manchester's past. The National Football Museum is also set to relocate to Manchester, opening in the distinctive Urbis building in autumn 2011.

## Sport

Manchester's biggest name (the University aside) is Manchester United FC. Unsurprisingly, their world-famous home at Old Trafford is the largest club ground in Britain. Rivals (and 2011 FA Cup winners) Manchester City are based on the other side of town at their Eastlands stadium, originally built for the 2002 Commonwealth Games. The Games left a legacy of world-class sporting facilities, including the Manchester Aquatics Centre on the University campus, and the Manchester Velodrome.





National and international cricket can be enjoyed at Lancashire's Old Trafford Ground, rugby union at Sale Sharks and rugby league at Salford, or nearby Wigan and Warrington.

## Shopping

The city's reputation as a shoppers' paradise is well justified. High street chains from Primark to Harvey Nichols sit alongside international designers, including Vivienne Westwood, DKNY and Paul Smith, in the city centre. Manchester's independent side is also flourishing: interesting one-off shops abound, particularly in the city's thriving Northern Quarter, where you'll find products from all over the world – music, movies, fashion and more. Then there's the Trafford Centre, a massive retail and leisure complex located out of town, for hundreds of diverse outlets under one convenient roof.

## Beyond the city

Manchester is a great base from which to explore Britain's North West. The natural beauty of the Peak District, Lake District and North Wales are all within easy reach, as are the picturesque, historic towns of Chester, York and Buxton. The coast is less than an

## Did you know?

Manchester is the best place to live in the UK, according to the 2011 'liveability' survey by the Economist Intelligence Unit, which considers education, stability, health care, infrastructure, culture and environment.

*Source: Economist Intelligence Unit Liveability Survey, 2011*

Worried about finance? Manchester is also the third most cost-effective university city in the UK.

*Source: NatWest Student Living Index, 2010*

And the city was also listed 20th in the New York Times' worldwide Top 41 Places to See in 2011.

hour's drive or train journey away – choose between the unspoilt dunes and pine forests of Formby and the illuminated entertainment of Blackpool. Further afield lies London, just over two hours away by fast-track train.

# city map

All directions listed are to the Visitors Centre in University Place building 37 on the campus map (see pages 34-35).

## By air

Manchester Airport is approximately 10 miles from the University. The taxi fare from Manchester Airport is around £20.

## By bus

From Piccadilly Train Station catch the 147.

From Piccadilly Bus Station catch any of the following: 14, 16, 41, 42, 43, 44, 48, 111, 140, 142, 157 and 250

From Victoria Train Station, catch the Tram to Piccadilly Bus Station and catch one of above services.

From Manchester Airport catch the 43.

## 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, sign-posted 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 the University's 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.

The University's 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 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. The University's Visitors Centre is on the right in University Place (building 37 on the campus map).

### From M67

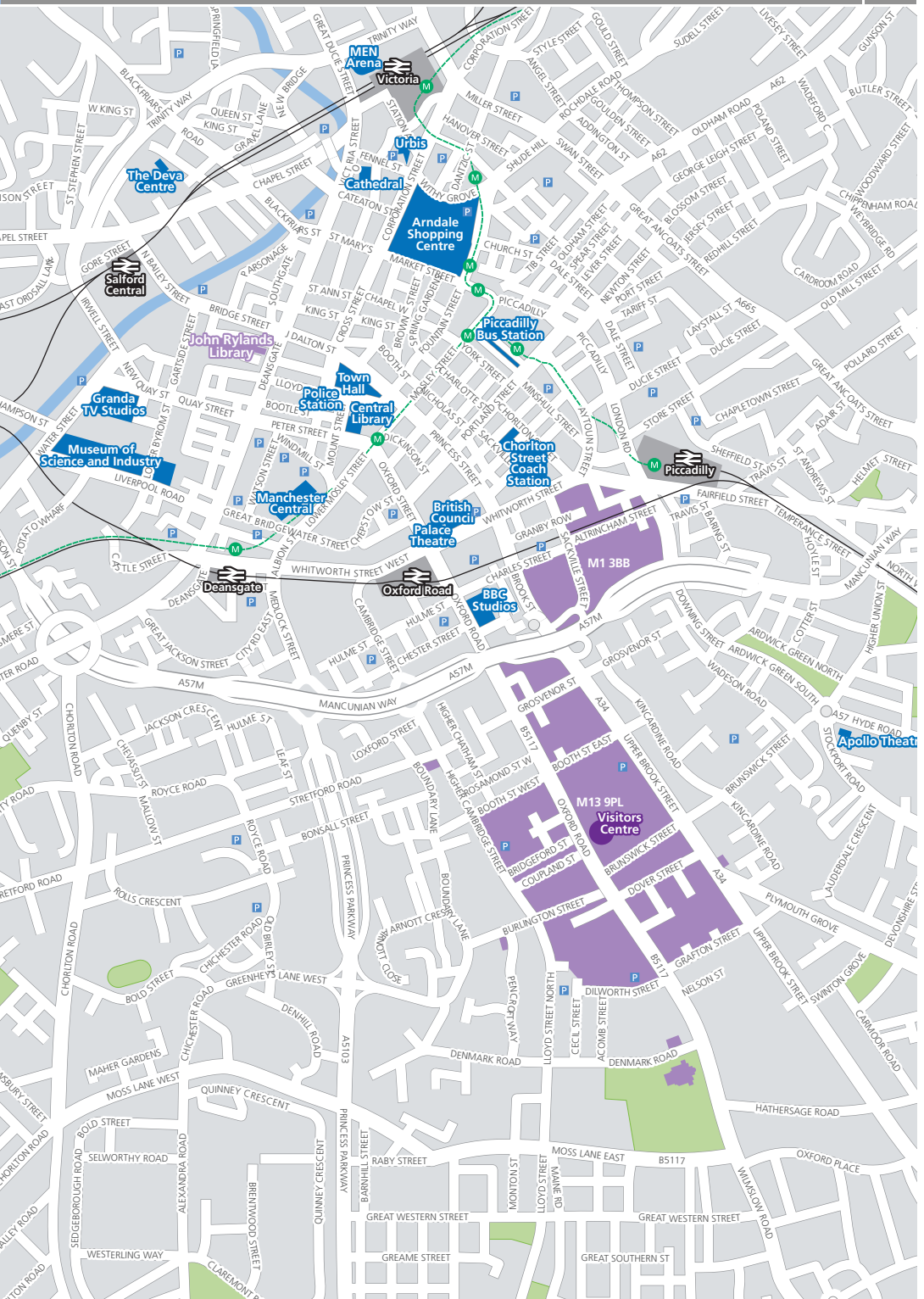
At the end of the motorway, join Hyde Road (A57). Continue along for approximately three miles, following signs for the city centre.

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). The University's Visitors Centre is on the right hand side in University Place (building 37 on the campus map).

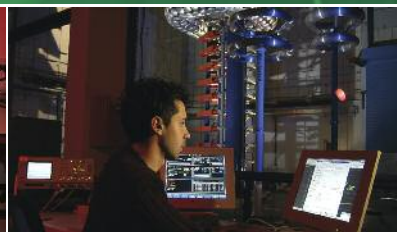
## Sat Nav

Sackville St postcode  
M1 3BB

Oxford Rd postcode  
M13 9PL



# faculty of engineering and physical science



## Our research

Many major scientific advances of the 20th century occurred at The University of Manchester, including the first artificial splitting of the atom by Ernest Rutherford, and the development of the world's first stored program computer.

Today, research activities at the Faculty of Engineering and Physical Sciences (EPS) remain at the cutting edge, as witnessed by the award of the 2010 Nobel Prize to Professors Andre Geim and Kostya Novoselov for their discovery of graphene, a new material with astonishing properties. Our research is funded by an annual research income of around £70 million. The quality, breadth and volume of this research are unrivalled: more than 70 specialist research groups and centres each undertake pioneering research into areas ranging from microwaves and nanotechnology, to tissue engineering and aeronautics.

Modern new facilities include the £40 million Alan Turing Building, which houses Mathematics, part of Physics and Astronomy, and the Photon Science Institute. Work has also started on a £30 million state-of-the-art facility for the School of Chemical Engineering and Analytical Science.

We're involved in many multidisciplinary research institutes at the University, tackling research and providing interdisciplinary research training programmes supported by leading scientists from across the University, in areas from nuclear fission and engineering, to sustainable consumption. See Manchester Doctoral College (p96-99) for more details.

With decades of experience and a strong track record of industry collaboration, our Schools are highly rated in national and global evaluation exercises, and our graduates are recognised for their ability to flourish in industrial and business environments. Key industrial partners, like Shell, Rolls-Royce, BAE Systems, IBM, BP and Syngenta, and major pharmaceutical companies such as Astra Zeneca and GSK, are central to some of the Faculty's most prolific research and to its continued innovation and success.

We look forward to welcoming you and helping you to develop your own skills, enthusiasm and expertise as a postgraduate student in the Faculty of Engineering and Physical Sciences.

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





## Centres of excellence

### Dalton Nuclear Institute

- Set to become one of the world's elite centres for nuclear teaching and research
- Focuses on crucial issues of waste disposal, decommissioning and civil reactor technologies
- Chosen by the Government as one of the bodies responsible for managing the UK's National Nuclear Laboratory

### Two Rolls-Royce University Technology Centres (UTCs)

- 1: Focuses on electrical systems for extreme environments (opened 2004)
- 2: Dedicated to nuclear technology (opened 2010)

### The Tyndall Centre for Climate Change

- Leads the development of new sustainable and renewable technologies
- Its research informs UK energy policy

### Manchester Interdisciplinary Biocentre (MIB)

- £38 million interdisciplinary research centre
- Houses more than 600 scientists and 80 research groups

### Photon Science Institute

- Fosters collaborations across the physical, engineering, material, medical and biological sciences in photon science research and knowledge transfer

### The University of Manchester Aerospace Research Institute (UMARI)

- Works with leading aerospace companies to study all aspects of aerospace engineering
- Draws on the excellent facilities of the University-based Northwest Composites Centre

### Jodrell Bank Centre for Astrophysics

- At the heart of the E-Merlin project to link up UK radio telescopes using a high-speed data network, which will allow astronomers to probe the evolution of galaxies, stars and planets
- Designed and built radio receivers for a major instrument on board the European Planck satellite
- In 2011, chosen as the location for the international central project office for the Square Kilometre Array, the principal new astronomy facility of the 21st century

### EPS stats

70+ research centres and groups  
500+ academic staff  
450+ post-doctoral research staff



## student profile

**Name** Victoria Andrew  
**Age** 21  
**From** Manchester, UK  
**Degree** PhD in Applied Mathematics  
**Graduates** 2014



### Why did you choose your degree?

"I did a BSc in Mathematics at The University of Manchester. I chose to do a PhD in Applied Mathematics because I love to see how maths can be used in the real world. I applied for postgraduate courses at universities other than Manchester, but the reputation that Manchester has as a leader in international research meant that I wanted to continue studying here."

### What do you think of your course?

"Like all postgraduate courses, a PhD in Applied Mathematics is challenging and hard work, but the reward of reaching a solution makes it very much worth it. We have access to a large number of research journals both in the library and online, which is of vital importance.

"The staff are very approachable and always willing to talk about their research and yours. We have a morning coffee break where we can informally discuss problems that we have encountered, or just what we have planned for the weekend!

"I've done loads of things this year related to my PhD - I've been to a modelling camp, a study group, a UK applied maths conference, an international summer school and an international conference in Vancouver. I feel very lucky!"

### Do you receive any funding for your course?

"I get funding from the EPSRC, which covers tuition fees and maintenance over a period of three and a half years. I also received a CASE award, which is extra funding from a company who has an interest in my research area. In return, I commit to up to three months working in the company during the course of my PhD."

### What do you most value about studying here?

There is a big emphasis on being in touch with other researchers, both in my field and away from it. My supervisors make a great effort to provide small seminars for postgraduate students to learn about cutting-edge research in areas that are similar to my own, to give us a broader view of research and increase our understanding.

"Manchester has a great reputation as a research University and good links with industry, which I hope will provide me with knowledge of different careers."

## researcher profile

**Name** Uli Sattler  
**Job title** Professor of  
Computer  
Science  
**School** Computer  
Science  
**From** Andernach,  
Germany



### What are your specialist areas of interest?

"Logic-based knowledge representation, ontology languages and ontology engineering."

### What are you currently working on?

"We are designing computer-processable languages, so-called ontology languages, which can be used to describe the terms used within an 'application domain' (ie area of expertise), such as medicine. For such a language to be useful, a lot of tool support is required to support the expert – eg a clinician – to describe their knowledge. This tool support is often based on logical reasoning problems that we investigate and develop automated reasoning procedures for."

"We are also involved in standardisation efforts and applications to eScience, the Semantic Web, and Linked Data."

### Why is Manchester a good place for research in your area?

"Manchester has been internationally leading in this area for the last decade, and we provide an inspiring environment for research."

### What relevant facilities and resources does Manchester offer you?

"My area is rather undemanding in terms of facilities, but Manchester provides extremely useful opportunities to interact with other researchers; namely, those who build ontologies and work with them – eg in health care and life sciences. Their feedback and experience is an invaluable source of inspiration and motivation to me."

### How does your research benefit postgraduate students at Manchester?

"In our MSc courses, we have a couple of course units that provide students with the theoretical and practical understanding of leading-edge solutions for the Semantic Web, and for logic and knowledge representation more generally."

"Also, our MSc courses include a substantial project; students whose projects are supervised by me or by members of our group typically choose projects around ontologies – eg building and using an ontology in a specific application, such as in business, or in healthcare."

## Chemical Engineering and Analytical Science

- 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. We are world-renowned and have an excellent reputation amongst employers for the high calibre of our graduates.

We are unique in the UK because of the breadth of disciplines represented, including chemical engineering, bioscience, physics, chemistry, mathematics and analytical and measurement science. The 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.

You will have even greater access to expertise and facilities through the 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. You can choose from a range of flexible study options, which include distance-learning courses, giving you the choice of studying without taking a career break, or without moving to Manchester.

Our research groups are: The Environment and Sustainable Technology; Process Integration; Instrumentation; Analytical Science; Multi-Scale Modelling; Biocatalysis; Systems Biology; Colloids, Crystals, Interfaces and Materials; Chemical Engineering; Generic Theme: Chemical Engineering and Analytical Science.

### Find out more

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

### Research programmes

pgr-ceas@manchester.ac.uk  
tel +44 (0)161 306 4360

### Taught courses

pgt-ceas@manchester.ac.uk  
tel +44 (0)161 306 4837



You can apply online to all of the following:

### Research programmes

Analytical Science PhD/MPhil

**FT PT**

Biocatalysis PhD/MPhil

**FT PT**

Chemical Engineering PhD/MPhil

**FT PT**

Chemical Engineering and Analytical Science PhD/MPhil/MEnt

**FT PT**

Chemical Engineering and Analytical Science EngD\*/EntD

**FT**

Chemical Engineering and Analytical Science Integrated PhD

**FT**

Colloids, Crystals, Interfaces and Materials PhD/MPhil

**FT PT**

Instrumentation PhD/MPhil

**FT PT**

Multi-Scale Modelling PhD/MPhil

**FT PT**

Process Integration PhD/MPhil

**FT PT**

Systems Biology PhD/MPhil

**FT PT**

The Environment and Sustainable Technology PhD/MPhil

**FT PT**

*\*For further details, see the EngD section, p14*

### Doctoral Training Centre programmes\*\*

Engineering for Manufacture EngD

**FT**

Integrative Systems Biology

**FT**

Nanoscience

**FT**

Nuclear FIRST

**FT**

*\*\* For further details, see Manchester Doctoral College, p96-99*

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

## Taught courses

Advanced Chemical Engineering  
 MSc/PgDip/PgCert  
**FT PT**  
 Advanced Chemical Process Design  
 MSc/PgDip/PgCert  
**FT DL**  
 Advanced Process Design for  
 Energy MSc/PgDip/PgCert  
**FT DL**  
 Biotechnology MSc/PgDip/PgCert  
**FT PT**  
 Chemical Engineering with Design  
 MSc/PgDip/PgCert  
**FT PT**  
 Environment and Sustainable  
 Technology MSc/PgDip/PgCert  
**FT PT**  
 Refinery Design and Operation  
 MSc/PgDip/PgCert  
**FT PT DL**

## Chemistry

- World-leading research
- Outstanding facilities
- Exceptional depth and range of expertise
- Alumni in top jobs

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

The School of Chemistry continues Manchester's long and distinguished history of chemical innovation, from the birth of modern chemistry with John Dalton, through to recent 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 62 teaching and 142 research staff. We also have one of the largest research schools in the UK, with 230 postgraduate students and 700 undergraduates.

In the 2008 Research Assessment Exercise, the School was ranked fourth in the UK, based on "research power". We have 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 degree programmes.

Our School is a major partner in the Manchester Interdisciplinary Biocentre (MIB), a novel research institute housed in an innovative new 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, 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 the School currently holds £50 million of research grant. 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.

## Find out more

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

pg.chemistry@manchester.ac.uk  
 tel +44 (0)161 306 9279

You can apply online to all of the following:

## 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**

*\*For further details, see the EngD section, p14*

## Doctoral Training Centre programmes\*\*

Engineering for Manufacture EngD

**FT**

Nanoscience

**FT**

Nuclear FiRST

**FT**

Nuclear EngD

**FT**

*\*\*For further details, see Manchester Doctoral College, p96-99*

## Taught courses

Chemistry MSc/PgDip/PgCert

**FT PT**

Polymer Materials Science and Engineering\*\*\* MSc/PgDip/PgCert

**FT PT DL**

*\*\*\*Joint course with School of Materials*



## Computer Science

- Top rated for research
- World-class facilities
- 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 programmes, enabling you to work with leading edge technologies and research staff of international renown.

Today, we are rated amongst 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.

The School's Centre for Doctoral Training in Computer Science offers a new four-year PhD, which combines deep technical research with training in creativity and innovation.

Manchester is also renowned for its 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.

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 programmes.

### Find out more

[www.manchester.ac.uk/cs](http://www.manchester.ac.uk/cs/pg-compsci@manchester.ac.uk)  
pg-compsci@manchester.ac.uk  
tel +44 (0)161 275 6181

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

### Doctoral Training Centre programme\*

Computer Science PhD (4 years)  
**FT**

*\*For further details, see Manchester Doctoral College, p96-99*

### Taught courses

Advanced Computer Science (ACS) MSc

**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: Applications of NLP
- 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

Advanced Computer Science and IT Management MSc\*\*

**FT PT**

*\*\*Taught in collaboration with Manchester Business School*



Key  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

In addition to our full time and part-time programme variants, a number of modular and distance learning options are offered by our Advanced Professional Education unit:

- MSc Digital Biology **DL**
- MSc Multi-Core Computing **DL**

Individual course units for delivery via face-to-face or distance learning are also available. For further information, see:

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

[ape@cs.man.ac.uk](mailto:ape@cs.man.ac.uk)  
 tel +44 (0)161 275 0140

## Earth, Atmospheric and Environmental Sciences

- 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.

Our academic staff have experience and expertise across a wide range of disciplines and the 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.

The School's excellent Research Assessment Exercise rating for

research activities (see above) 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 our science to the public, most recently through the popular television programmes 'Walking with Dinosaurs', 'Live from Dinosaur Island', 'Jurassic CSI', and the BBC series on 'Rain, Snow and Wind' – and via our regular 'Barometer podcast' on the 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. Our alumni 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)  
 tel +44 (0)161 275 0776

You can apply online to all of the following:

### 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

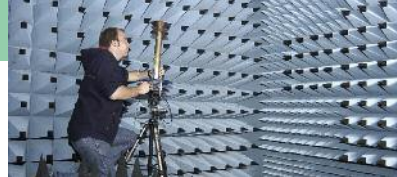
**FT PT**  
 Environmental Geochemistry and Geomicrobiology PhD/MPhil/MSc by Research

**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



## Doctoral Training Centre programmes\*

Nuclear FIRST

**FT**

Sustainable Consumption Institute

**FT**

\* For further details, see Manchester Doctoral College, p96-99

## Taught courses

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

Petroleum Geoscience for Exploration MSc **FT**

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

Pollution and Environmental Control MSc **FT PT**

## Electrical and Electronic Engineering

- Research income: Over £8m per year (average)
- Research themes: While involved in all areas of research in the subject, we have particular interests in Energy, Agri-Electronics 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%

The School of Electrical and Electronic Engineering is one of the largest schools of this discipline in the UK. We have a postgraduate population of more than 400 students, with approximately 180 of these studying for research degrees.

More than 50 members of research-active academic staff are distributed between six research groups, which cover the broad spectrum of activities involved in the subject of 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

Our excellence in research was highlighted by the 2008 Research Assessment Exercise (RAE), which ranked 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.

The aim of our research is always 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 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)

## Research programmes

pgr-eee@manchester.ac.uk  
tel +44 (0)161 306 4800

## Taught courses

pgt-eee@manchester.ac.uk  
tel +44(0)161 306 4701

## 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**

\*For further details, see the EngD section, p14

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.

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

## Doctoral Training Centre programmes\*\*

Engineering for Manufacture EngD

**FT**

Nanoscience

**FT**

*\*\* For further details, see Manchester Doctoral College, p96-99*

## Taught courses

You can apply online to the following:

Advanced Control and Systems Engineering MSc

**FT**

Communication Engineering MSc

**FT**

Digital Image and Signal Processing MSc

**FT PT**

Electrical Energy Conversion Systems MSc

**FT PT**

Electrical Power Systems Engineering MSc

**FT PT**

*The School is continually developing its portfolio of MSc courses; visit our website for the latest information [www.manchester.ac.uk/lee](http://www.manchester.ac.uk/lee)*

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 our 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 the 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 many are invited to work alongside the School 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)  
 tel +44 (0)161 306 5777

## 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**

Fashion Technology 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**

*\*For further details, see the EngD section, p14*

## Materials

- 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



## Doctoral Training Centre programmes\*\*

Advanced Metallic Systems

**FT**

Engineering for Manufacture EngD

**FT**

Nanoscience

**FT**

Nuclear Engineering EngD

**FT**

Nuclear FIRST

**FT**

\*\* For further details, see

Manchester Doctoral College, p96-99

## Taught courses

Advanced Composites MSc

**FT PT**

Advanced Engineering Materials

MSc/PgDip/PgCert

**FT PT DL**

Biomaterials MSc

**FT**

Corrosion Control Engineering

MSc/PgDip/PgCert

**FT PT DL**

International Fashion Retailing MSc

**FT**

International Fashion Retailing

(Business Process Improvement) MSc

**FT**

International Fashion Retailing

(Multichannel Management) MSc

**FT**

Materials and Surface Design MRes

**FT PT**

Polymer Materials Science and

Engineering MSc/PgDip/PgCert\*\*\*

**FT PT DL**

Textile Technology

MSc/PgDip/PgCert

**FT PT DL**

Textile Technology (Digital Print

Technology) MSc

**FT PT**

Textile Technology (Technical

Textiles)

**MSc FT PT**

\*\*\*Offered jointly with the School of Chemistry

## Mathematics

- 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%**

The 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.

The School ranked sixth highest in the country in the 2008 Research Assessment Exercise, based on the "research power" ratings of the 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, one Fellow of the British Academy and one Member of the Russian Academy of Sciences 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.

The School disburses almost a million pounds per annum towards the funding of postgraduate students, including nearly half a million pounds 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, which provides an excellent environment for our world-class research and teaching.

## Find out more

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

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

pg-maths@manchester.ac.uk  
tel +44 (0)161 275 5802/0176

You can apply online to all of the following:

## Research programmes

Actuarial Science PhD/MPhil

**FT PT**

Applied Mathematics PhD/MPhil

**FT PT**

Applied Mathematics MSc by Research

**FT PT**

Applied Numerical Computing PhD/MPhil

**FT PT**

Financial Mathematics PhD/MPhil

**FT PT**

Mathematical Logic PhD/MPhil

**FT PT**

Mathematics EngD\*

**FT**

Mathematics EntD

**FT**

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

Mathematics MEnt

**FT PT**

Probability PhD/MPhil

**FT PT**

Pure Mathematics PhD/MPhil

**FT PT**

Statistics PhD/MPhil

**FT PT**

Statistics MSc by Research

**FT PT**

*\*For further details, see the EngD section, p14*

## Taught courses

Actuarial Science MSc

**FT PT**

Biostatistics MSc\*\*

**FT PT**

Mathematical Finance MSc\*\*\*

**FT**

Mathematical Logic and the Theory of Computation MSc

**FT PT**

Mathematical Logic and the Theory of Computation PgDip

**FT**

Mathematics and Computational Sciences MSc

**FT**

Pure Mathematics MSc

**FT PT**

Pure Mathematics PgDip

**FT**

Quantitative Finance and Financial Engineering MSc\*\*\*

**FT**

Statistics MSc

**FT PT**

Statistics PgDip

**FT**

Theoretical and Applied Fluid Dynamics<sup>o</sup> MSc/PgDip

**FT**

*\*\* Offered jointly with the School of Community Based Medicine*

*\*\*\*Offered jointly with Manchester Business School*

*<sup>o</sup> Offered jointly with Mechanical, Aerospace and Civil Engineering*

## Mechanical, Aerospace and Civil Engineering

- Highly rated for research
- World-class facilities
- Unrivalled breadth and depth of expertise
- 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. Over 70% of research activity in our School is ranked as "internationally excellent" or "world-class". We are ranked third in the UK in terms of "research power" and our combined record of excellence is among the strongest in the country.

The first engineering degree of its kind was offered in Manchester 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.

We provide internationally leading postgraduate research programmes. The range of research topics open to you covers all areas of engineering and includes theoretical and computational research, experimental studies, systems, design and management. The areas of research activity are defined by the Expert Groups in the School and include:

- 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
- Turbulence Mechanics

Our taught courses are designed to support both research activities and industrial needs. We are carrying out a review that will generate a portfolio of courses reflecting the strengths of the academic interest groups within the School:

- Advanced Manufacturing Technology and Maintenance Engineering
- Fluids Engineering
- Management and the Built Environment
- Structural and Mechanical Engineering Design

## Find out more

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

pg-mace@manchester.ac.uk  
 tel +44 (0)161 306 9219





### Research programmes

Aerospace Engineering PhD/MPhil

**FT PT**

Aerospace Engineering MSc by Research

**FT**

Civil Engineering PhD/MPhil

**FT PT**

Civil Engineering MSc by Research

**FT**

Environmental Engineering PhD/MPhil

**FT PT**

Management of Projects PhD/MPhil

**FT PT**

Management of Projects MSc by Research

**FT**

Mechanical, Aerospace and Civil Engineering EngD\*

**FT**

Mechanical Engineering PhD/MPhil

**FT PT**

Mechanical Engineering MSc by Research

**FT**

Nuclear Engineering EngD\*

**FT**

Nuclear Engineering PhD/MPhil

**FT PT**

\*For further details, see the EngD section, p14

### Doctoral Training Centre programmes\*\*

Engineering for Manufacture EngD

**FT**

Nuclear Engineering

**FT**

Nuclear FIRST

**FT**

\*\* For further details, see

Manchester Doctoral College, p96-99

### Taught courses

Advanced Manufacturing Technology and Systems Management MSc

**FT**

Aerospace Engineering MSc

**FT**

Maintenance Engineering and Asset Management MSc/PgDip/PgCert

**FT PT DL**

Management of Projects MSc

**FT PT**

Management of Projects: Commercial Project Management MSc

**FT PT**

Management of Projects: Construction Project Management MSc

**FT PT**

Management of Projects: Engineering Project Management MSc

**FT PT**

Management of Projects: IT Project Management MSc

**FT PT**

Mechanical Engineering Design MSc

**FT**

Pharmaceutical Manufacture and Engineering PGCert

**DL/e-learning°**

Structural Engineering MSc

**FT**

Theoretical and Applied Fluid Dynamics MSc/PgDip\*\*\*

**FT**

Thermal Power and Fluid Engineering MSc

**FT**

\*\*\*Offered jointly with Mathematics

°Subject to approval

## Physics and Astronomy

- Top rated for research and one of the UK's largest schools in this discipline
- Two Nobel Prize winners on our current teaching staff
- Professor Brian Cox (University Research Fellow) is a member of the School's 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%**

The 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.

We have a strong presence in a number of Manchester-based centres for multidisciplinary research: the Manchester Science and Enterprise Centre, the Photon Science Institute, the Manchester Centre for Non-Linear Dynamics, the Dalton Nuclear Institute and the Mesoscience and Nanotechnology Centre. The Jodrell Bank Observatory in Cheshire is also part of our School.

Strong research activity exists in a broad range of physics topics,

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

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, including the Large Hadron Collider in Cern and the upcoming SKA Project Office at Jodrell Bank Observatory.

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.

#### Find out more

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

pg-physics@manchester.ac.uk  
 tel +44 (0)161 306 9220

#### Research programmes

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

Astronomy and Astrophysics EntD  
**FT**

Astronomy and Astrophysics  
 PhD/MSc by Research/MEnt  
**FT PT**

Physics PhD/MSc by Research/MEnt  
**FT PT**

Physics EntD/EngD\*  
**FT**

*\*For further details, see the EngD section, p14*

- Astronomy and Astrophysics
- Biological Physics
- Condensed Matter Physics
- Nonlinear and Liquid Crystals Physics
- Nuclear Physics
- Particle Physics
- Photon Physics
- Theoretical Physics

#### Doctoral Training Centre programmes\*\*

Engineering for Manufacture EngD

**FT**

Nanoscience

**FT**

Nuclear Engineering

**FT**

Nuclear FiRST

**FT**

*\*\* For further details, see*

*Manchester Doctoral College, p96-99*

#### Taught courses

Nuclear Science and Technology  
 MSc/PgDip/PgCert\*\*\*

**FT PT DL**

Photon Science MSc

**FT**

Radio Imaging and Sensing MSc

**FT**

*\*\*\*For details on this course, email [info@ntec.ac.uk](mailto:info@ntec.ac.uk) or tel +44 (0)161 275 4575, or visit*

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

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



# faculty of humanities



## Our research

Our Faculty of Humanities encompasses academic areas as diverse as arts, education, development, law, social sciences, and business and management, and is committed to developing new and innovative ways to transfer knowledge out of the University and apply this to 'real world' problems.

The last Research Assessment Exercise (2008) cemented our global reputation for outstanding humanities research. The Faculty was behind only Oxford and Cambridge in the number of world leading staff returned. Of our research activity, 22% was classed "world leading" and a further 40% "internationally excellent".

The Faculty hosts many institutes and centres that provide interdisciplinary research programmes in areas from sustainable consumption to world poverty (see Manchester Doctoral College, p96-99, and the page opposite for examples).

We look forward to welcoming and developing your own talents, motivation and ideas as a postgraduate student in the Faculty of Humanities.

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

## Centres of excellence

### Institute for Social Change

- Examines causes and consequences of social change
- Executive Director is Professor Ed Fieldhouse
- 'Social Change: A Joint Project of Harvard and Manchester Initiative' directed by Professor Robert Putnam, Professor of Public Policy at Harvard, and Visiting Professor at Manchester

### Institute for Science, Ethics and Innovation

- Investigates ethical questions raised by 21st century science and technology
- Chaired by Nobel Laureate and genomic research pioneer Professor John Sulston, working with world-renowned authority on bioethics Professor John Harris

### Brooks World Poverty Institute

- Conducts multidisciplinary research on poverty reduction, inequality and growth
- Chaired by Nobel Laureate and former World Bank Chief Economist Professor Joseph Stiglitz; Executive Director is Professor David Hulme
- Aims to become the leading European research centre in this field

### Global Urban Research Centre

- Launched in 2008, focusing on global urbanisation, poverty, inequality and exclusion

### Chronic Poverty Research Centre

- International partnership of universities, research institutes and NGOs, based at our Institute for Development Policy and Management
- Informs the work of all who seek to combat poverty, such as NGOs, political parties, researchers and trade unions

### Manchester Institute for Innovation Research

- Our largest and longest-standing research institute, known worldwide for influential publications
- Teaches and researches in technology strategy, science and innovation policy, foresight and sustainability

- Has greatly influenced the direction of European and national research, innovation policies and management practice

### Eco Cities

- Aims to create an integrated climate change adaptation strategy for urban areas, based on scientific research, stakeholder engagement and 'best practice' examples
- Involves the Manchester Architecture Research Centre, directed by Professor Simon Guy; Centre for Urban Regional Ecology, directed by Dr Iain White; and Brooks World Poverty Institute
- Funded by Bruntwood

### Centre for Equity in Education

- Involves practitioners, policy-makers and researchers in collaborative development and research projects that focus on the challenges facing the education service, particularly educating vulnerable groups

### Centre for Chinese Studies

- Informs degrees designed to understand and engage with the emergence of China as a world power
- Supported by the Manchester Confucius Institute, one of the world's first Confucius Institutes, partnered with Beijing Normal University

### Institute for Political and Economic Governance

- Multidisciplinary research by IPEG has made its presence felt in national debates around the reform of social, civil and economic infrastructures
- Directed by Professor Alan Harding

### See also:

Humanitarian and Conflict Response Institute (p69)  
Sustainable Consumption Institute (p99)  
Centre for New Writing (Creative Writing and Contemporary Literature, p62)

### Humanities stats

100+ research centres and groups  
940+ academic staff  
£18.2m+ predicted research income

## student profile

**Name** Olive Sabiiti  
**From** Kampala, Uganda  
**Degree** PhD Law  
**Graduates** 2013



### Why did you choose your degree?

"I was a practising lawyer in my small law firm in Kampala, Uganda. I was also a part-time lecturer of business law at Uganda's biggest public university, and a part-time associate consultant in commercial law at a major management institute. I wanted to gain in-depth knowledge of investment issues, particularly land-related investment, which could only be attained at doctoral level. The degree would also enhance my credentials and make me more competent as an academic."

"I completed my masters degree in Law at Manchester. I loved the University, the diversity, faculty members and the city; therefore when I had to choose a university for doctoral study, Manchester was my first choice. I was particularly inspired by a professor at the School of Law while I was doing my masters; his influence on my 'thought life' motivated my particular research area."

### What do you think of your course?

"I love my course. I have learnt so much in two years, theories and perspectives that I had no clue existed. Staff are friendly, available and accessible, as well as helpful. My supervisors, Professor Frank Stephen and Dr Rilka Dragneva-Lewers, are excellent and very supportive."

"Resources are excellent, particularly the University's Document Supply Unit, where we can gain access to

any academic resource that may not be directly available to the University at a paltry £2. As a doctoral student, it is important that there are academics to talk to and engage with in PhD 'work in progress' sessions – and these are all available and well-organised."

### What do you most value about studying at Manchester?

"Experiencing diversity, in the range of both study disciplines available and cultures. At Manchester, I have shared the different cultures and lifestyles of people from all over the world, as well as my hosts, the British. This experience daily teaches me to be flexible, accommodating, understanding and to think outside the 'legal and home-cultural' box."

"Studying here will be an added bonus to my curriculum vitae, because a Manchester education is highly valued. I have used the Careers Service, which offers lots of useful information and organises talks that are specifically tailored to student researchers, offering insight on the pathways to academia and industry for doctoral researchers."

"I have been exposed to the best minds, both at university and also at conferences, and have met and interacted with brilliant and talented fellow students from around the world. I definitely think that with my Manchester Doctorate, the world is my oyster."



## staff profile

**Name** Stuart Hyde  
**Job title** Professor of Finance  
**School** Manchester Business School  
**From** Leeds, UK



### What are your specialist areas of interest?

"Anything to do with applied financial econometrics, particularly with respect to asset pricing, market microstructure and forecasting, as well as international finance and emerging markets.

"In market microstructure, I look at the trading process and how prices are determined. Gaining an insight into how markets function can help reduce costs for investors on the one side, and highlight any needs for changes to regulatory policy or market design on the other. My other work focuses on asset pricing and portfolio evaluation. For example, I investigate sudden movements ('jumps') in share prices across the globe, identifying the types, frequency and effects of such movements to gain a better understanding of how financial shocks and crisis spread and impact investments."

### Why is Manchester good for research in your area?

"Manchester's primary strength is its size and the quality of the academics and students across all disciplines. I can develop my research ideas through attendance at seminars and discussion with colleagues not only in Finance, but also in cognate areas, such as Economics, Econometrics, and International Business.

"Manchester has world-class facilities in terms of electronic databases providing me with access to the necessary data to conduct my research. The

resources are highly accessible and the library provides training courses and support to staff and students to help maximise the benefit and usefulness of these databases in my research."

### How does your research benefit postgraduate students?

"There is a strong demand for understanding asset price behaviour and how markets function. Research publications by my colleagues and I are very important for students. They often act as the seed that sows the initial idea, or enables students to rationalise and understand the outcomes of their own investigations.

"Conversely, it is often the calibre of the doctoral students at Manchester that drives the research and develops the projects into new areas, providing me with fresh perspectives."

### What makes your Faculty such a great place for postgraduate study?

"Diversity. There is expertise in every area of the humanities, through the arts, social sciences and business, offering a wealth of resources in terms of research training and always someone to discuss your ideas with. Everyone has a desire to learn, research and to contribute to key debates, not only within their own field, but also across disciplines. Multidisciplinary research is one of the key strengths of the Faculty."



## Archaeology

- Leading centre for interpretive archaeology
- World archaeological focus
- Outstanding museum collections

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

Archaeology has a long history here, beginning with William Boyd Dawkins, curator of the Manchester Museum from 1869, who contributed much to the development of Palaeolithic archaeology.

Today, we are an internationally recognised centre for social and interpretive archaeology. Research and teaching are supported by the rich resources of the John Rylands Library, the Manchester Museum and the Greater Manchester Archaeological Unit, while staff from the Museum, Archaeological Unit and Whitworth Art Gallery are involved in delivering our courses.

Various focal themes include: identity (personhood, gender, ethnicity, religion, and sexual politics); place, landscape and monumentality; history, theory and philosophy of archaeology; technology, material culture and social practice; social complexity and the development of state-organised societies; and social significance of the past.

Postgraduate programmes are integral to our research culture. Staff research ranges from the later Palaeolithic in Europe, to the present day; with strong foundations in European and Near Eastern prehistory, it also takes in parts of Africa, Asia, Australia and South America.

We emphasise the integration of theory and practice and are involved in a range of exciting

research projects, such as: the Stonehenge Riverside Project, Star Carr excavations, Great Dolmens of Britain and Ireland, uncovering the Neolithic in the Welsh Marshes (all UK-based); Domuztepe excavations (Turkey); Easter Island, and Tong Hills and Koma Land (Ghana); and various projects in Bahrain, Australia, Greece and Cyprus.

### Find out more

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

SAHCpg@manchester.ac.uk  
tel +44 (0)161 306 1259 /  
+44 (0)161 275 3144

### Research programmes

Archaeology PhD  
FT PT

### Taught courses

Archaeology – Complex Societies MA

FT PT

Archaeology – General MA

FT PT

Archaeology – Identity MA

FT PT

Archaeology – Neolithic MA

FT PT

## Architecture

- Access to huge range of resources and facilities from two institutions
- Contemporary, interdisciplinary approaches

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

In 1996, the Manchester School of Architecture was established through an innovative collaboration between The University of Manchester and Manchester Metropolitan University. Our students therefore uniquely benefit

from the broad range of interests and expertise of our academic staff, and can use the extensive resources and facilities of both institutions.

PhD research revolves around the Manchester Architecture Research Centre, where research focuses on the co-evolution of design and development strategies and the socio-economic 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.

We also offer a masters course in Architecture and Urbanism, designed to provide architects, 60 faculty of humanities urban designers, planners and urbanists with the intellectual, theoretical and practical knowledge and skills essential to understanding and shaping the future city.

### Find out more

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

sed.admissions@manchester.ac.uk  
tel +44 (0)161 275 0969

### Research programmes

Architecture MPhil/PhD  
FT PT

### Taught courses

Architecture and Urbanism MA  
FT PT

*See Planning and Landscape p76*

Key  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

## Art History and Visual Studies

- Rated in top 4 in the country in the last RAE
- Access to world-class library and museum facilities
- Close collaboration with an award-winning art gallery
- Collaboration with other arts subjects for innovative interdisciplinary research topics

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

Our postgraduate programmes draw on the expertise of academic staff covering art history from the ancient world to the present day. You are fully integrated into a vibrant and stimulating research culture.

You benefit from excellent collections, including: a digital image archive; a library of 350,000 slides; the outstanding holdings of the Whitworth Art Gallery of fine and applied art from the 18th century onwards; the renowned collection of medieval illuminated books in the Rylands Library, Deansgate; 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/physics](http://www.manchester.ac.uk/physics)  
 pg-physics@manchester.ac.uk  
 tel +44 (0)161 306 9220

### Research programmes

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

### Taught courses

Art History MA  
**FT PT**

## Arts Management and Cultural Policy

- UK's only teaching, knowledge exchange and research centre for arts and cultural managers
- Staff active in academic research, professional development training and consultancy
- Over 50 active partnerships with cultural agencies and organisations
- Originated the UK's first Professional Doctoral programme for arts managers

Established in 2009, the 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.

The 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 master-classes, 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; Professional Doctorate in Arts and Cultural Management, a structured programme of doctoral research based in professional practice for arts managers in the UK; and PhD in Arts Management and Cultural Policy, a traditional doctoral research programme with 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)

SAHCpg@manchester.ac.uk  
 tel +44 (0)161 306 1259 / 275 3144

### 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**

### Taught courses

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

## Creative Writing and Contemporary Literature

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

Our students enjoy opportunities including: fortnightly master classes with Colm Toibin; workshops in fiction and poetry writing led by published, award-winning writers; intensive, one-to-one instruction from writer-in-residence; free entry to 'Literature Live', a fortnightly reading series bringing the best contemporary novelists and poets to Manchester; a range of seminars focusing on the literature and culture of the last 25 years; and internships at literary organisations, including Carcanet, The Poetry School, the Manchester Literature Festival and others. The Centre is also home to our online journal: The Manchester Review.

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

### Find out more

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

SAHCpg@manchester.ac.uk  
tel +44 (0)161 306 1259 /  
+44 (0)161 275 3144

### Research programmes

Creative Writing PhD  
FT PT

### Taught courses

Contemporary Literature and Culture MA

FT PT

Creative Writing MA  
FT PT

## Classics and Ancient History

- Strong and supportive research community
- Outstanding library collections, including papyri, mediaeval 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 14 academic staff, 10-20 taught postgraduates and 15-20 research postgraduates), we are equally strong on both the Greek and Roman sides in history, literature and language alike. In addition to 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 a long and distinguished history at the University, we have seen rapid growth in postgraduate numbers, backed by strong investment from the University.

We pride ourselves especially on: our large and vigorous international community of students; our research fellows and permanent staff; our inclusiveness; 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 the John Rylands University Library, together with its Special Collections, a scholar's treasure trove with considerable exploitable potential.

### Find out more

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

SAHCpg@manchester.ac.uk  
tel +44 (0)161 306 1259 /  
0161 275 3144

### Research programmes

Classics and Ancient History PhD  
FT PT

### Taught courses

Classics and Ancient History MA  
FT PT

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

## Criminology and Criminal Justice

- Highly prestigious law school
- Extensive breadth of social science perspectives

The Centre for Criminology and Criminal Justice Studies brings the field of criminology into the 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 30 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 the 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)

**Research programmes**  
 research-law@manchester.ac.uk  
 tel +44 (0)161 306 1279

**Taught courses**  
 pg-law@manchester.ac.uk  
 tel +44 (0)161 306 1270

### Research programmes

Criminology MPhil/PhD **FT PT**

### Taught courses

Crime, Law and Society MA **FT PT**  
 Criminology and Socio-Legal Studies MRes **FT PT**

See also *Law*

## Drama

- Top-rated for research with diverse range of research expertise
- Flexible, choice-based MA courses
- Access to staff with personalised mentoring and 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 of 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 students benefit from access to personalised mentoring and support and professional research training delivered by active

researchers. Within a context of structured support, students are encouraged to pursue independent research projects that extend existing expertise in new and exciting directions. They 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)

SAHCpg@manchester.ac.uk  
 tel +44 (0)161 306 1259 /  
 +44 (0)161 275 3144

### Research programmes

Anthropology, Media and Performance PhD

**FT PT**

Drama PhD

**FT PT**

Professional Doctorate in Applied Theatre  
**PT**

### Taught courses

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

Screen Studies

**MA FT PT**

Theatre and Performance MA  
**FT PT**

See also *Humanitarianism and Conflict Response*





## East Asian Studies

- 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 incorporates both Chinese and Japanese Studies. Postgraduate research can be conducted and supervised in either area, as well as in broader topics that span Chinese and Japanese cultural spheres and examine relationships and phenomena across the region.

East Asian Studies focuses primarily on the modern era, from humanities and social sciences perspectives, across a wide range of areas and topics.

Japanese Studies was established in 2007. Staff research interests 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; Japanese medical history and social policies related to medicine; the language of modern television dramas; and language pedagogy, dictionaries and translation.

Chinese Studies staff are also associated with the Centre for Chinese Studies, part of the Faculty of Humanities. Its research focuses on contemporary China, particularly since the founding of the People's Republic of China in 1949. China is also studied in the broad sense as transnational China, encompassing the whole

Chinese-speaking world. Study and research in the global context aims to understand how China and the Chinese-speaking world influences and impacts on 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 the modern day, Chinese media, 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.manchester.ac.uk/humanities/ccs](http://www.manchester.ac.uk/humanities/ccs)

[www.manchester.ac.uk/llc/subjects/east-asian](http://www.manchester.ac.uk/llc/subjects/east-asian)

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

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

tel +44 (0)161 275 3559

### Research programmes

Chinese Studies PhD/MPhil

**FT PT**

East Asian Studies PhD/MPhil

**FT PT**

Japanese Studies PhD/MPhil

**FT PT**

## Economics

- Research excellence in all the core areas of Economics
- In the top 10 of UK Economics departments
- Three or four year Doctoral programme
- Dedicated postgraduate research courses

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

As confirmed by the most recent Research Assessment Exercise (RAE), we are in the top ten of UK Economics departments, with international recognition for the quality of all our research activity. Our research excellence encompasses all the core areas of microeconomics, macroeconomics and econometrics, including development and environmental economics.

Manchester is also one of the oldest centres for the study of economics in the UK, with a Chair in Political Economy established in 1854. Since then, many famous names in economics have worked in Manchester, including three Nobel prize-winners: Sir John Hicks (1938-46), Sir Arthur Lewis (1948-58) and Professor Joseph Stiglitz. The first UK Chair in Econometrics, established at Manchester in the 1960s, was held by Jack Johnston who founded the first Department of Econometrics.

The discipline area of Economics is part of the School of Social Sciences. Aggregating the RAE results across the five main discipline areas of the School of Social Sciences, and comparing these with other UK universities, the School ranks third in the UK, making it one of the leading international research schools in the Social Sciences.

In recent years, Economics at Manchester has developed leading international research agendas in the following five broad areas:

- Microeconomics and Mathematical Economics
- Macroeconomics, Growth and Development
- Econometrics and Applied Economics
- Environmental and Resource Economics
- Development Economics and Policy

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

The first four are the principal research groups within Economics. The fifth area draws together interdisciplinary researchers in Economics and the Institute of Development Policy and Management, within the School of Environment and Development.

**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)

**Research programmes**  
 tel +44 (0)161 275 4743

**Taught courses**  
 tel +44 (0)161 275 4471

### Research programmes

Economics MPhil/MRes/PhD  
**FT PT**

### Taught courses

Econometrics MSc  
**FT PT**  
 Economics MA  
**FT PT**  
 Economics MSc/PgDip  
**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**

*See also Manchester Business School; Social Statistics; International Development IDPM*

## Education

- High quality research: 85% internationally recognised, 20% world leading
- Teacher training programmes rated "outstanding" by OFSTED, 2010-11
- High satisfaction levels of newly-qualified teachers and employing headteachers
- Wide range of professionally orientated programmes

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

Our School of Education offers a rich diversity of opportunity in one of the UK's largest graduate educational research communities. The PhD research training programme and the MSc in Educational Research are recognised by the Economic and Social Research Council (ESRC), so you are assured of access to a full range of high-quality research methods training.

We have sought to create a vibrant international postgraduate community that is welcoming, supportive and friendly. Our research groups organise programmes of staff/student research seminars and you are encouraged to publish papers and attend appropriate conferences.

Research activity within the School coalesces around three broad themes: Inclusion and Educational Diversity; Teaching, Learning and Assessment; and Education Policy, Leadership and Management. Theoretically grounded and methodologically rigorous, our research focuses on where there is a deliberate emphasis placed on the relationship between policy and practice and research activities that can impact on both.

**Find out more**  
[www.manchester.ac.uk/education](http://www.manchester.ac.uk/education)

[pg-education@manchester.ac.uk](mailto:pg-education@manchester.ac.uk)  
 tel +44 (0)161 275 3463

### Research programmes

Counselling Psychology Doctorate  
 DCouns  
**FT**  
 Education MPhil/PhD  
**FT PT**  
 Education Doctorate EdD  
 (Leadership theme) (Urban Contexts theme) (Post-Compulsory theme)  
**PT**  
 Educational and Child Psychology  
 Doctorate DEdChPsy  
**FT**  
 Educational Psychology  
 DoctorateDEdPsy  
**PT**

### Taught courses

Counselling MA  
**PT**  
 Critical Learning Disability Studies  
**MA PT\***  
 Digital Technologies,  
 Communication and Education MA  
**FT PT DL**  
 Education MA  
**FT PT**  
 Educational Leadership and School  
 Improvement MA  
**FT PT**  
 Educational Research MSc  
**FT PT**  
 Educational Technology and TESOL  
 MA  
**FT PT DL**  
 PGCE Primary  
**FT**  
 PGCE Primary (with Language  
 Specialism)  
**FT**  
 PGCE Secondary Business  
 Education  
**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/Chemistry/Physics)

**FT**

Profound and Complex Learning  
Disability MSc/PgCert/PgDip

**DL**

Psychology of Education Med

**FT PT**

TESOL MA

**FT PT DL**

\*Subject to approval

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

SAHCpg@manchester.ac.uk  
tel +44 (0)161 306 1259 /  
0161 275 3144

## English and American Studies

- 75% of our research is rated  
"world leading" or  
"internationally excellent"
- Unrivalled breadth and  
depth of expertise from the  
medieval to the 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 is supported by a  
world-class library with exceptionally  
rich holdings in our field.

We have a strong research record  
and staff of recognised international  
standing in both traditional and  
emerging areas of the discipline, as  
evidenced by the following active

### Research programmes

English and American Studies PhD  
**FT PT**

### 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**

Literatures and Cultures 1200-  
1700 MA

**FT PT**

Post-1900 Literatures, Theories and  
Cultures MA

**FT PT**

Postcolonial Literatures and  
Cultures MA

**FT PT**

*See also Creative Writing and  
Contemporary Literature; Gender,  
Sexuality and Culture; History*

## European Languages and Cultures

- Vibrant postgraduate  
culture: research and  
professional programmes
- Outstanding breadth and  
interdisciplinarity
- 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%**

Our School of Languages,  
Linguistics and Cultures offers the  
UK's greatest concentration of  
high-quality research and teaching  
in language-based disciplines.

We are united by common  
research interests: the study of  
languages and their application in  
cultural, historical, political and  
social studies; in linguistics; and in  
translation 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.

The University is one of the  
country's pre-eminent centres for  
research in European languages,  
cultures and societies and makes

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

that expertise available to postgraduate students in a wide range of research and professionally oriented programmes.

#### Find out more

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

pg-europeanlang@manchester.ac.uk  
 pg.languages@manchester.ac.uk  
 tel +44 (0)161 275 3559

#### 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**

#### Taught courses

Languages and Cultures (research-route) MA

**FT PT**

Translation and Interpreting Studies MA

**FT PT**

Conference Interpreting MA

**FT PT**

Intercultural Communication MA

**FT PT**

Languages and Linguistics MA

**FT PT**

## Gender, Sexuality and Culture

- Unique MA offering options in diverse academic disciplines
- MA contributors include authors of world-leading research
- World-class library with unusually rich holdings in these subjects

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

The 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 2008 RAE.

The University's John Rylands 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.

#### Find out more

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

SAHCPg@manchester.ac.uk  
 tel +44 (0)161 306 1259 /  
 275 3144

#### Research programmes

English and American Studies PhD  
**FT PT**

#### Taught courses

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

*See also Sociology*

## Geography

- New, state-of-the-art laboratory facilities
- Strong focus on fieldwork and the practical application of theory
- Geography taught at Manchester for over 100 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 the School of Environment and Development, located in a modern, well-equipped and self-contained building.

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.

Postgraduate programmes are integrated 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 a successful career in terms of PhD studies, or in the worlds of consultancy or policymaking.

Research students in Geography are also highly employable, and benefit from a dedicated, in-house research training programme during their degree.

Annual scholarships, both at masters and PhD level, are available from various funding bodies, including the ESRC and the ESF.

#### Find out more

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

sed.admissions@manchester.ac.uk  
tel +44 (0)161 275 0969

#### Research programmes

Geography: Human Geography  
MPhil/PhD

**FT PT**

Geography: Physical Geography  
MPhil/PhD

**FT PT**

#### Taught courses

Environmental Governance MSc  
**FT PT**

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

Geographical Information Science  
MSc  
**FT PT**

*See also International Development (IDPM); Planning and Landscape*

## History

- Cutting-edge course content, thanks to a global reputation for research in this field
- Particularly broad range of courses, 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 an 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 our renowned holdings in the John Rylands University Library and numerous regional historical research assets, such as the People's History Museum. We have a highly successful record in securing outside PhD awards, as well as our own studentship, and we also offer sustained and material support with career development (eg through teaching assistantships).

Our wide range of MA courses, taught by leaders in their fields, offer an advanced training in the current state of knowledge in these fields – and, for those seeking it, a springboard for PhD research. The quality of our programmes has been recognised by an AHRC 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)

pg-history@manchester.ac.uk  
tel +44 (0)161 306 1259 /  
275 3144

#### Research programmes

History PhD

**FT PT**

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

#### Taught courses

Cultural History MA

**FT PT**

Early Modern History MA

**FT PT**

Economic and Social History MA

**FT PT**

History MA

**FT PT**

Medieval Studies MA

**FT PT**

Modern British History MA

**FT PT**

Modern European History MA

**FT PT**

Victorian Times MA

**FT PT**

War, Culture and History MA

**FT PT**

World History MA

**FT PT**

*See also Humanitarianism and  
Conflict Response*





## Humanitarianism and Conflict Response

- Informs and supports policy and decision makers
- Aims to optimise joint working between partner organisations
- Fosters increased understanding and debate within the field of humanitarianism

The Humanitarian and Conflict Response Institute (HCRI) brings together the disciplines of medicine and the humanities to achieve the above aims, facilitating improvements in crisis response on a global scale while providing a much-needed centre of excellence for all concerned with emergencies and conflicts.

Led by the former President of Médecins Sans Frontières, Dr Rony Brauman, we aim to combine the research and teaching of academics working in a considerable variety 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. Bringing together the study of medicine and humanities provides a holistic approach, which mirrors the reality of aid operations and informs the reflexive processes of both analytical and applied disciplines.

### Find out more

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

hcri@manchester.ac.uk  
 tel +44 (0)161 275 8967

### Doctoral Training Centre programme\*

Humanitarianism and Conflict Response PhD **FT PT**

### Taught course

Humanitarianism and Conflict Response MA **FT PT**  
 Continuing Professional Development Courses (accredited and/or certificated) 1-15 days'

*\*For further details, see Manchester Doctoral College, p96-99*

## International Development – IDPM

- UK's largest Development Studies department
- Top-rated for "research power" in the 2008 RAE
- Fieldwork included in several programmes
- Leading to careers in the public, private and NGO sector

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

The Institute for Development Policy and Management (IDPM) at Manchester is one of the UK'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, training, consultancy, research and policy analysis.

Following a review in 2000 by an independent panel from the UK Government's Quality Assurance

Agency, IDPM was awarded the maximum score possible (24), achieving excellence in all aspects of teaching investigated; while in the 2008 Research Assessment Exercise, 65% of our research activity was judged to be "world leading" or "internationally excellent".

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

IDPM is also home to the Chronic Poverty Research Centre, funded by DfID, and is substantially involved in the work of the recently founded Brooks World Poverty Institute, chaired by Nobel Laureate Professor Joseph Stiglitz.

### Find out more

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

sed.admissions@manchester.ac.uk  
 tel +44 (0)161 275 0969

### Research programmes

Development Policy and Management MPhil/PhD **FT PT**

### Taught courses

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/PgDip/PgCert

**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/PgDip/PgCert

**DL**

Organisational Change and  
Development MSc

**FT PT**

Poverty and Development MSc

*See also Geography; Planning and  
Landscape; Manchester Business  
School; Humanitarianism and  
Conflict Response*

## Latin American and Caribbean Cultural Studies

- Top-rated for research
- One of the largest teams of Latin-Americanists and Caribbeanists in Europe
- Excellent breadth and depth of expertise

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

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.

The 2008 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".

We bring together one of the largest teams of Latin-Americanists and Caribbeanists in Europe, 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.

Academics in Social Anthropology and Latin American Studies co-direct the Centre. Staff associated with us also teach an MA course in Latin American and Caribbean Studies and supervise PhD students in this field, who are attracted by our interdisciplinary approach.

Excellent facilities include a Centre for Graduate Studies, which provides space specifically for postgraduate students, and the comprehensive holdings of the John Rylands Library.

### Find out more

[www.manchester.ac.uk/llc/research/staff/splas](http://www.manchester.ac.uk/llc/research/staff/splas)

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

[pg-latinamerican@manchester.ac.uk](mailto:pg-latinamerican@manchester.ac.uk)  
tel +44 (0)161 275 3559

### Research programmes

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

### Taught courses

Latin American and Caribbean  
Studies MA  
**FT PT**

*See also European Languages and  
Cultures*

Key  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

## Law

- Highly prestigious law school
- Cutting-edge, interdisciplinary research centres
- One of the best law libraries in the country

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

Incorporating Specialist Research Centres:

- Centre of Criminology and Criminal Justice
- Institute for Law, Economy and Global Governance
- Centre for Social Ethics and Policy
- 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.

The 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, jurisprudence, EU law, commercial law, intellectual property, bioethics, criminal law, criminal justice and criminology, law and economics, law and development, and regulation.

Significant interdisciplinary strengths have been enhanced by: the Centre for Social Ethics and

Policy, which conducts cutting edge medical ethical research; 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 the 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)

### Research programmes

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

### Taught courses

pg-law@manchester.ac.uk  
 tel +44 (0)161 306 1270

### Centre for Social Ethics and Policy

tel +44 (0)161 306 1270

### Research programmes

Bioethics and Medical Jurisprudence PhD

**FT PT**

Law MPhil/PhD

**FT PT**

### Taught courses

LLM **FT**

LLM streams available:

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

### Also available are:

Health Care Ethics and Law MA/PgDip

**FT PT**

Health Care Ethics and Law MA

**PT DL**

Health Care Ethics and Law MSc (Intercalated)

**FT**

Intellectual Property Law PgDip (validated route)

**FT**

Law and Development MA

**FT PT**

See also *Criminology and Criminal Justice*

## Linguistics and English Language

- 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 yearly 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 RAE 2008 judged more than half of our Linguistics and English Language work to be in the top two research categories of "world-leading" and "internationally excellent".

We are committed to extending and deepening the understanding

of natural language by fostering an environment favourable to empirical research on all aspects of linguistic theory. Because we believe that 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 (especially lexical-functional grammar and construction grammar), semantics, pragmatics, historical linguistics (especially English, Romance and Germanic), language contact, typology, language documentation, sociolinguistics, and corpus and computational 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, laryngography and electropalatography, and a lab with facilities for production, comprehension and artificial language learning studies. Support is also provided for child language learning studies. We also possess a

large and diverse collection of linguistic corpora and tools for computational linguistic analysis.

#### Find out more

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

pg-linguistics@manchester.ac.uk  
tel +44 (0)161 275 3559

#### Research programmes

English Language PhD

**FT PT**

Linguistics PhD/MPhil

**FT PT**

#### Taught courses

Applied Linguistics MA

**FT PT**

Applied Linguistics PgDip

**FT**

English Language MA

**FT PT**

Languages and Linguistics MA

**FT PT**

Languages and Linguistics PgDip

**FT**

Linguistics MA

**FT PT**

Linguistics PgDip

**FT**

Linguistics and English Language Integrated MA/PhD

**FT**

## Manchester Business School

- UK's leading centre for business research
- First business school in the UK
- Doctoral programme ranked first in the world (Financial Times)
- One of only a handful of business schools in the world to be recognised by all three international business school and MBA accrediting bodies

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

Manchester Business School is one of the top five business schools in the UK and one of the top 30 in the world. We have earned a world-class reputation for outstanding teaching and research, supported by a number of independent organisations. The most recent RAE positioned us as the UK's leading centre for business research, and our teaching is rated 'excellent' by the Quality Assurance Agency and the UK government funding body (HEFCE). Both students and business come to us when they need to develop cutting-edge business expertise.

The Financial Times ranked the School 29th in the world for its MBA programme. It also placed our doctoral programme first in the world in 2008, 2009 and 2011. We are part of a select group of business schools worldwide to have gained 'triple accreditation': from AACSB International, AMBA (The Association of MBAs) and EQUIS.

We recognise that an international perspective is essential to career success. Our masters degrees attract students from over 60 countries, so you will learn to work



**Key**  
**FT** full-time  
**PT** part-time  
**BL** blended learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

with different cultures: a critical skill in the contemporary international business environment.

Our 20 masters courses are designed to provide you with the skills to think originally and give you a head start when you graduate. Our full-time MBA programme offers experienced business professionals the chance to work on a wide range of live consultancy projects and undertake an internship, while our links with more than 30 international institutions through the exchange programme allow students on the MBA and two MSc courses an opportunity to spend a semester abroad. We also offer a blended-learning Global MBA programme, designed for executives who do not want to delay their career progression. Our postgraduate research programme is the largest business and management programme of its kind in a UK business school and is recognised by the Research Councils for award of scholarships.

As a research-led school, our 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.

Some of our masters courses are accredited by professional bodies: the Chartered Institute of Personnel and Development (our two MSc Human Resource Management and Industrial Relations courses), the British Psychological Society (MSc Organisational Psychology) and the Chartered Financial Analyst Institute has awarded partnership status to MSc Accounting and Finance and MSc Finance.

MBS is well connected and we frequently welcome business leaders to the School: recently, Manchester

United's David Gill, Willie Walsh, CEO of IAG (then British Airways) and former Tesco boss Sir Terry Leahy have shared their experiences with students and staff.

Our academics regularly contribute to the international media, including the BBC, The Financial Times, The Wall Street Journal, The Economist and Sky News. 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.

Generous funding from Eddie Davies OBE, owner of Bolton Wanderers FC, continues to support innovation at the School. The School's Enterprise Centre runs an annual Dragons Den-style competition, helping budding entrepreneurs set up their own businesses. Students are encouraged to take part in social enterprise projects, in Manchester and across the world, through Students in Free Enterprise (SIFE).

**Find out more**  
[go.mbs.ac.uk/UOM-programmes](http://go.mbs.ac.uk/UOM-programmes)

**Full-time MBA programme**  
 mba@mbs.ac.uk  
 tel +44 (0)161 275 6414

**Part-time MBA programmes**  
 global@mbs.ac.uk  
 tel +44 (0)161 276 3444

**Other taught courses**  
 pg@mbs.ac.uk  
 tel +44 (0)161 306 1339

**Research programmes**  
 pgresearch@mbs.ac.uk  
 tel +44 (0)161 275 6591 / 0784

### Research programmes

Doctor of Business Administration  
**DBA**  
**BL**  
 Doctor of Enterprise EntD  
**FT PT**

Doctor of Philosophy PhD  
**FT PT**  
 Master of Enterprise MEnt  
**FT PT**  
 Master of Philosophy MPhil  
**FT PT**  
 Master of Research MRes  
**FT PT**

### Taught courses

Accounting and Finance MSc  
**FT**  
 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**  
 Healthcare Management MSc  
**FT PT**  
 Human Resource Management and Industrial Relations MSc  
**FT**  
 Human Resource Management and Comparative Industrial Relations (International) MSc  
**FT**  
 Information Systems: Business Information Technology MSc  
 Information Systems: e-Business Technology MSc  
 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**

Operations, Project and Supply Chain Management MSc

**FT**

Organisational Psychology MSc

**FT PT**

Public Administration MPA

**FT**

Quantitative Finance: Financial Engineering MSc

Quantitative Finance: Risk Management MSc

**FT**

The Manchester Global MBA (accelerated)

**PT BL**

The Manchester Global MBA

**PT BL**

The Manchester Global MBA (finance pathway)

**PT BL**

The Manchester Global MBA (engineering pathway)

**PT BL**

The Manchester Global MBA (project management pathway)

**PT BL**

See also *Economics*; *International Development IDPM*; *Politics*

## Middle Eastern Studies

- Integrated approach to the history and cultures of the Middle East
- All four major languages taught: Arabic, Hebrew, Persian, Turkish
- Research-led focus on modern culture and politics
- World-class teaching in national identity, gender, Arab World, Islam and Judaism
- Alumni in commercial and cultural jobs (eg journalism, 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, literatures. Areas of particular expertise include Islamic studies, Israeli/Jewish studies, modern Iranian history, the emergence of Middle East nationalisms and cultural and gender studies with a focus on the Arab world. We achieved a successful outcome in the 2008 RAE, with 60% of our research activities judged to be either "world-leading" or "internationally excellent".

The editorial home of one of the field's most distinguished scholarly journals, the *Journal of Semitic Studies*, is based here. We also partner with Edinburgh and Durham universities in the Centre for the Advanced Study of the Arab World, which fields one of the largest concentrations of expertise in the UK. This Centre brings together more than 50 full-time staff drawn from a variety of disciplines in the arts, humanities

and social and political sciences, all working on areas directly related to the Arab world. Hosting a large grant AHRC project on ancient Jewish literature, Middle Eastern Studies at Manchester also constitutes part of the University's Centre for Jewish Studies.

The 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 research methods. Academics with extensive publication experience offer small-class course units on specialist topics and dissertation supervision on a mutually agreed subject.

Excellent facilities include a Centre for Graduate Studies, which provides space specifically for postgraduate students, and the comprehensive holdings of the John Rylands University Library, one of only five UK National Research Libraries.

### Find out more

[www.manchester.ac.uk/llc/subjects/middle-eastern](http://www.manchester.ac.uk/llc/subjects/middle-eastern)

pg-mideast@manchester.ac.uk  
tel +44 (0)161 275 3559

### Research programmes

Arab World Studies PhD

**FT**

Middle Eastern Studies PhD/MPhil

**FT PT**

### Taught courses

Arab World Studies

**MA FT**

Languages and Cultures MA (research route)

**FT PT**

Key  
**FT** full-time  
**PT** part-time  
**BL** blended learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

## Museology

- High-quality teaching and research
- Established links with the museum and cultural sector
- Work experience in museums and galleries
- Alumni in senior positions in the UK and abroad

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

The Centre for Museology launched in 2002 to develop 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 in the North West, throughout the UK and overseas.

Manchester has been training museum professionals for over 40 years, and the 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.

In 2009, the Centre for Museology became part of the Institute of 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)

[museology@manchester.ac.uk](mailto:museology@manchester.ac.uk)  
 tel +44 (0)161 306 1259 / 275 3144

### Research programmes

Museology PhD

**FT PT**

Professional Doctorate in Museum Practice

**FT PT**

### Taught courses

Art Gallery and Museum Studies MA  
**FT PT**

Continuing Professional Development (CPD)

## Music

- Highly rated for research
- World-class 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 is one of the best places for postgraduate study in music in the UK. We offer a stimulating and supportive environment for research and composing, with a good range of programmes in Musicology, Ethnomusicology, Composition and Electroacoustic Music Composition.

Our internationally renowned musicologists, ethnomusicologists, composers and performers earned an official "excellent" rating from the HEFCE teaching quality assessment. The Government gave us the very highest rating for both the 1996 and 2001 RAE, while the 2008 RAE placed Music among the top three music departments in the country, and among the top one percent of all departments in all subjects nationwide.

Housed in the Martin Harris Centre, Music has excellent facilities, with a wide range of instruments (including baroque strings and wind), listening equipment, computers and electronic studios. The Centre is a newly refurbished £6 million building and includes the purpose-built Cosmo Rodewald Concert Hall. A £2.2 million, purpose-built

studio block – 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.

Music has more than 80 concerts and visiting guest lectures per year, including recitals by the Danel String Quartet (our quartet in residence), the BBC Philharmonic and Psappha (contemporary music ensemble in association).

The research community is also supported by Musicology Forum and Composers' Forum, a seminar series for staff and students that discusses current projects and the state of the field.

All postgraduate composers receive at least one professional performance a year and the level of practical ability among our undergraduates is exceptionally good, enabling new compositions by postgraduates to be performed to an unusually high standard by fellow students. MANTIS (Manchester Theatre in Sound) provides electro-acoustic composers with regular opportunities to present their work in public. There are also performance opportunities within the city of Manchester, a thriving cultural centre.

Each research postgraduate student is allocated a main supervisor and two further supervisory panel members, while our friendly and informal atmosphere also means that you can approach any member of staff.

### Find out more

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

[pg-music@manchester.ac.uk](mailto:pg-music@manchester.ac.uk)  
 tel +44 (0)161 306 1259 / 275 3144



### Research programmes

Music: Composition PhD  
**FT PT**

Music: Electroacoustic Composition  
PhD

**FT PT**

Music: Musicology PhD  
**FT PT**

### Taught courses

Composition MusM  
**FT PT**

Electroacoustic Music Composition  
MusM

**FT PT**

Music and Drama MA  
**FT PT**

Musicology MusM  
**FT PT**

*See also Drama*

## Philosophy

- 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%**

All lecturing staff in Philosophy at Manchester are research active, with specialisations in the wide-ranging areas of analytic philosophy, placing special emphasis on the philosophy of language, aesthetics, metaphysics, ethics, epistemology, the history of analytic philosophy and the philosophy of mind. 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-focussed events.

As well as weekly research seminars, Philosophy at Manchester hosts various international conferences, including recently: Perceiving Others' Minds (2011); Emotion, Phenomenology and Content (2011); Fictionalism (2009); The Philosophy of Scanlon (2009); and Sharing Ends (2008). We also hold an annual workshop on the Philosophy of Language. All our conferences and workshops are open to graduate students. There is also an annual graduate conference at which you are encouraged 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

tel +44 (0)161 275 1296

### Research programmes

tel +44 (0)161 275 4743

### Research programmes

Philosophy PhD  
**FT PT**

### 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**

## Planning

- Global leader in planning research
- Professionally accredited masters degrees
- Fieldwork an integral part of degree programmes
- Highly acclaimed PhD programme

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

Planning at The University of 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 2008 RAE, 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 and Development, PhD students in Planning benefit from being integrated into a vibrant, multidisciplinary research community. We have particular expertise in environmental planning and management, and spatial planning/urban development, but we welcome

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

applications for postgraduate research in several planning-related fields. The 2008 RAE praised the Manchester 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 Master in Planning (MPlan) 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.

#### Find out more

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

sed.admissions@manchester.ac.uk  
 tel +44 (0)161 275 0969

#### Research programmes

Planning and Landscape MPhil/PhD  
**FT PT**

#### Taught courses

Environmental Impact Assessment and Management MA  
**FT PT**

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

Planning MPlan

**FT PT**

Planning (Research) MPlan  
**FT**

Urban Regeneration and Development MA  
**FT PT**

*See also Architecture; Geography; International Development IDPM*

## Politics

- 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

#### Taught courses

tel +44 (0)161 275 1296

#### Research programmes

tel +44 (0)161 275 4743

#### Research programmes

Politics MPhil/PhD **FT PT**

#### Taught courses

Human Rights (Research route)  
 MA/PgDip

**FT PT**

- Human Rights Pathway
- Human Rights/Law Pathway

Human Rights (Standard route)  
 MA/PgDip

**FT PT**

- Human Rights Pathway
- Human Rights/Law 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
- European Politics and Policy Pathway
- Governance and Public Policy Pathway
- Political Theory Pathway

Political Economy (Research) MA/PgDip

**FT PT**

Political Economy (Standard) MA/PgDip

**FT PT**

Politics MA/PgDip

**FT PT**

*See also Manchester Business School; Social Statistics; Humanitarianism and Conflict Response*



## Religions and Theology

- Small-group MA teaching by leading international scholars
- Wide range of specialisations available
- World-class archive resources from papyri to Wesley's letters
- PhD alumni in top academic posts around the globe

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

Covering an unusually wide range of religious traditions, our masters degree courses offer preparation either for further study, or for work in which religious and cultural awareness is important. They are taught mainly in small-group seminars.

Most of our subjects have a distinctive Manchester identity. Our theology courses tend to relate closely to cultural and practical issues, while many religion courses have strong links to politics. We put South Asian religious traditions in contexts that cut across conventional boundaries. We approach the Bible in its original contexts, such as Dead Sea Scrolls and the Roman Empire. We cover every period of Judaism, from Second Temple to the Holocaust and its consequences. 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.

We have one of the strongest concentrations of PhD students in the UK, with some studentships available for both EU and international students. We offer supervision by specialists in the

religions of South and Central Asia, the Middle East and Europe, including Theology and Biblical Studies. These are backed by major research centres, such as the 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 USA, Korea, Australia and many other places.

### Find out more

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

pg-religions@manchester.ac.uk  
tel +44 (0)161 306 1259 / 275 3144

### Research programme

Religions and Theology PhD **FT PT**

### 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**

## Social Anthropology

- 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 state-of-the-art and core anthropology teaching. A diverse range of supervisory expertise is offered by staff based in the discipline and anthropologists in University Research Centres (eg Research Institute in Cosmopolitan Cultures, Centre for Research on Socio-Cultural Change and Centre for Advanced Studies of the Arab World).

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 audio-visual media, which includes 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



**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

anthropology and our visual anthropology courses are eligible for AHRC funding. Applicants 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 their own 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)

**Taught courses**  
 tel +44 (0)161 275 4471

**Research programmes**  
 tel +44 (0)161 275 1296 / 4471

### 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**

### Taught courses

Anthropological Research MA **FT PT**  
 Social Anthropology MA/PgDip **FT PT**  
*Research Methods Pathway 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**

*\*A PhD in Anthropology, Media and Performance is also available; applications should be made through the School of Arts, Histories and Cultures*

## Social Change

- Top rated for research
- Cross-disciplinary research of extraordinary breadth
- Expertise in novel, advanced quantitative methods applied to social issues

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

The Institute for Social Change (ISC) is an interdisciplinary centre conducting empirical research into the causes and consequences of social, political and ethnic change, and the impact of these on social cohesion and inequality.

ISC hosts major collaborative research projects such as 'Social Change: a Harvard-Manchester Initiative' and has links with renowned scholars such as Robert Putnam (Visiting Professor at ISC) and Bruce Western.

Our MSc is structured to foster understanding of the social and political processes driving social change, combined with advanced training in 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)

**Taught courses**  
 tel +44 (0)161 275 4471

**Research programmes**  
 tel +44 (0)161 275 1296

### Research programmes

Social Change MPhil/PhD  
**FT PT**

### Taught courses

Social Change MSc/PgDip  
**FT PT**

## Social Statistics

- Top-rated in last RAE
- Very high PhD completion rates
- Strong collaborative relationships with other disciplines
- Delivering social stats embedded in social science

RAE **4\*40%** **3\*20%** **2\*25%** **1\*15%**

In collaboration with Cathie Marsh Centre for Census and Survey Research, Social Statistics is a high profile centre for applied quantitative research.

Our research activity is both substantive and methodological. Our methodological research informs our interdisciplinary research applications, which in turn provide a testing ground for methodological innovations. Our research strengths are reflected in our 6\* rating in the 2001 Research Assessment Exercise (RAE), and top rating as part of the Sociology submission for the 2008 RAE.

Our graduate programmes are formally recognised by ESRC, from whom we receive a large number of PhD quota 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 MSc/PgDip course provides a firm grounding in advanced quantitative methods, taught within an applied social science framework.

**Find out more**  
[www.ccsr.ac.uk](http://www.ccsr.ac.uk)

pg-soss@manchester.ac.uk

**Taught courses**  
 tel +44 (0)161 275 4471

**Research programmes**  
 tel +44 (0)161 275 1296

### Research programmes

Social Statistics MPhil/PhD  
 FT PT

### Taught courses

Social Research Methods and Statistics MSc/PgDip  
 FT PT

## Sociology

- 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
- Postgraduate students are integrated 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 2008 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. 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)

pg-soss@manchester.ac.uk

**Taught courses**  
 tel +44 (0)161 275 1296

**Research programmes**  
 tel +44 (0)161 275 4743

### Research programmes

Sociology MPhil/PhD  
 FT PT

### Taught courses

Sociological Research MSc  
 FT PT  
 Sociology MA/PgDip  
 FT PT

See also *Gender, Sexuality and Culture*; *Social Statistics*; *Humanitarianism and Conflict Response*

## Translation, Interpreting and Intercultural Studies

- UK's largest concentration of translation and interpreting specialists
- Member of the European Masters in Translation (EMT) 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 Centre for Translation and Intercultural Studies (CTIS) has an international reputation for the quality of its teaching and research activities.

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 practice and research-oriented course units, it also provides excellent preparation for further study at PhD level.

Specialist translation course units (in any language combination) include: audiovisual, literary, commercial, scientific and technical translation; translating for



## Key

**FT** full-time

**PT** part-time

**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading

**2\*** internationally recognised

**3\*** internationally excellent

**1\*** nationally recognised

international organisations; and translation technology. Specialist interpreting options include consecutive interpreting (English-Arabic/ Chinese/ French/ German/Spanish) and public service interpreting (English-Arabic/Chinese/ French/ Spanish – other language combinations may be available subject to demand). Two optional units, one on theories of translation and interpreting and one on cross-cultural pragmatics, offer intensive preparation for doctoral study. We also offer language-specific course units in English-Chinese.

The specialised 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 – excellent preparation for doctoral study. You may offer one of two profiles, reflecting the two distinct profiles of practising conference interpreters:

- 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 submitted to five of the 2008 RAE units of assessment (see RAE above), reflecting the great breadth of our research activity. The outstanding results achieved make CTIS the UK's leading research group of its kind, and of one the largest such research groups worldwide. Our staff supervise doctoral research in numerous and innovative areas of translation and interpreting studies. (For descriptions of all past and current PhD projects, see 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.

Excellent facilities include a conference room with Televic simultaneous interpreting equipment, a self-access digital lab for independent study, the Centre for Graduate Studies (a purpose-designed workspace for postgraduate students) and the John Rylands University Library's comprehensive holdings.

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.

## Find out more

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

pg-translation@manchester.ac.uk  
tel +44 (0)161 275 3559

## Research programmes

Interpreting Studies PhD/Phil

**FT**

Translation and Intercultural  
Studies PhD/MPhil

**FT**

## Taught courses

Conference Interpreting MA/PgDip

**FT PT**

Translation and Interpreting Studies  
MA/PgDip

**FT PT**

# faculty of life sciences



## Our research

The Faculty of Life Sciences is at the forefront of research in the life sciences and offers extensive opportunities for postgraduate education and training. [www.manchester.ac.uk/lis](http://www.manchester.ac.uk/lis)

Research within the Faculty encompasses the multi-scale and complex nature of biological research, extending from studies of individual molecules at the atomic/quantum level, through to cell-based studies, whole organism and population levels. Complexity is reflected in our systems biology approaches to the study of biological processes at the molecular-cellular and whole organism levels.

## Research areas

Research is arranged into 12 thematic areas:

- Cell Matrix Research
- Cell Organisation and Dynamics
- Channels and Transporters
- Computational and Evolutionary Biology
- Developmental Biology
- Eye and Vision Sciences
- History of Science, Technology and Medicine
- Immunology and Molecular Microbiology
- Molecular Cancer Studies
- Neurosciences
- RNA and Protein Control Systems
- Structural and Functional Systems

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

The single school, single department structure promotes international excellence in research and education by removing barriers to collaboration and communication.



### Research centres

The Faculty supports a number of internationally renowned research centres, which are in receipt of significant long-term funding. Prominent amongst these are the Wellcome Trust Centre for Cell Matrix Research, The Centre for the History of Science, Technology and Medicine, the Centre for Integrative Mammalian Biology, the UK Centre for Tissue Regeneration and the Healing Foundation Centre.

In recent years, the Faculty has invested heavily in the area of molecular structure, biophysics and catalysis, with the aim of establishing a Centre of Excellence in integrated biophysical and structural biology (the Manchester Centre for Biophysics and Catalysis).

The Faculty also has an impressive track record of working closely with industry and successfully commercialising our scientific advancements. Our breadth in excellence allows us to respond quickly to challenges and opportunities.

### Research Assessment Exercise (RAE)

The quality and volume of research that we carry out is reflected in the results of the independent RAE 2008, in which figures reveal that Manchester secured more research grant and studentship funding from the Biotechnology and Biological Sciences Research Council (BBSRC) than any other UK university.

The Faculty was ranked third in the country by quality alone in the two units evaluated in the 2008 Research Assessment Exercise.

### Postgraduate community

Opportunities for postgraduate research training within our laboratories – which are well supported financially and of international repute – are second-to-none. The skills and interests of our principal investigators are immense, leading to a vibrant and interactive research and teaching environment in which to pursue postgraduate studies.

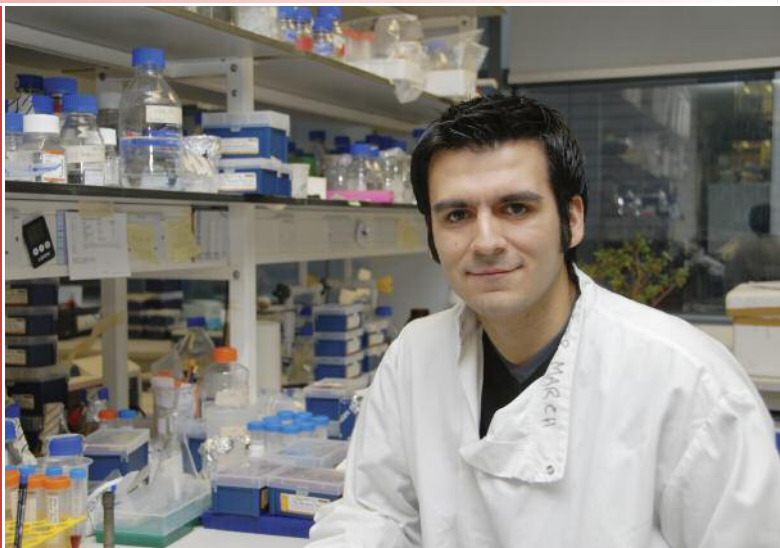
### Life Sciences stats

1,000+ people involved in research  
£70 million+ predicted research income  
£170 million recent building investment



## student profile

**Name** Rodrigo Maldonado  
**Age** 24  
**From** Talcahuano, Chile  
**Degree** PhD in Biotechnology  
**Graduates** 2013



### Why did you choose your degree subject?

"I have always wanted to work on biotechnology, and that is why I choose to do a postgraduate degree outside my country, because the biotechnology is not really developed in Chile yet. So I think that when I finish my PhD, and go back to Chile, I will be have a lot of new knowledge to share in that field, in order to contribute to the biotechnology development."

### Why Manchester?

"The University of Manchester is one of the best universities around the world and has many facilities that would help me to develop high quality research during my PhD thesis, and the topic that I wanted to work with has been developed here. I wanted to work on recombinant protein production in mammalian cells, and Professor Dickson's lab is one of the best groups in that field, with many publications, and with a special interest in the unfolded protein response."

### What do you think of your course?

"I really like the PhD programme, designing experiments and reading literature in particular. Seeing the work of other students who are in another year of the programme is really motivating; to hear and to see them showing a lot of results, after many hours of work, is motivating and challenging."

"I really like the fact that the faculty is very organized, has a very nice email communication network, and very nice facilities for the development of high quality research (I am based in the Michael Smith Building)."

### What are your future plans?

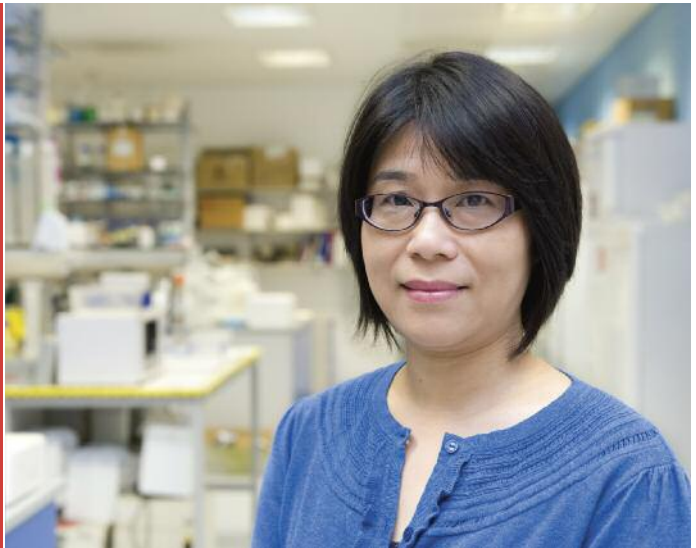
"I would like to get some experience in industry, during my PhD or getting a postdoctoral position in industry, and then go back to Chile and start my own lab associated to a university, or work in industry. I also would like to do some lectures, to share the experiences gained during my PhD."

### What do you most value about studying here?

"With a lot of information, induction and activities, Manchester is a multicultural city, so in every corner of the city you can find people of almost every part of the world, who are looking for knowledge."

## staff profile

**Name** Dr Xin Wang  
**Job title** Lecturer in Molecular Cardiology  
**Based** Faculty of Life Sciences  
**From** UK



### What are your specialist areas of interest?

"I am interested in gene regulation underlying various cardiac diseases, such as heart failure, cardiac arrhythmias and ischemic infarction, with an ultimate aim of developing novel therapeutic strategies for effective treatments.

"Together with collaborators, my group has just finished a study in which an important enzyme has been identified for preventing fatal heart condition associated with cardiac hypertrophy, the leading cause of sudden cardiac death in young athletes. My team used laboratory experiments and computer simulations to show that the enzyme MKK4 is involved in preventing arrhythmias. Data was published in The Journal of Biological Chemistry and BBC radio and various major UK press reported on our discovery.

"Based on this study, we are currently working on identifying novel agents for modulating MKK4 activation for use in treatment of cardiac arrhythmias."

### Why is Manchester a good place for research in your area?

"The Research Assessment Exercise (RAE) 2008 confirms The University of Manchester to be amongst the UK's research elite. Cardiovascular research is one of the University's areas of excellence, with over 40 PIs specialising in this field. The

Cardiovascular Research Group has an excellent record in obtaining external grant funding and currently holds core grants, with a total value exceeding £25 million."

"The Faculty of Life Sciences provides an ideal environment in which to carry out my research, as there is direct local access to unsurpassed core research and analytical facilities, such as microarrays, mass-spectrometry and bioimaging facilities, etc, which will provide considerable added value to my research in molecular cardiology."

### How does your research benefit postgraduate students at Manchester?

"My research has major biological and clinical relevance, and is designed to provide a best and unique interdisciplinary training for postgraduate students in a broad scope of molecular biology, in vivo cardiac physiology, transgenesis and computational simulation approaches. Students will also gain essential skills in scientific writing and presentation.

"This research training will provide an excellent grounding for students wishing to pursue a career in cardiovascular research or in other biomedical fields specialising in molecular cardiology. The graduate training programme will also provide students with excellent skills that are transferable to any career path."



## Life Sciences

- Top-rated for research
- World-class facilities
- Postgraduate programmes spanning the whole of life sciences
- Premier Graduate Training Programme

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%

One of the largest and most successful research and teaching organisations of its kind in Europe, the 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 important bioscience problems to be approached using novel and innovative methods.

World-class research requires world-class facilities – and, with £170 million building investment, the Faculty can boast more than its fair share of state-of-the-art laboratory space in modern, purpose-built buildings. These include the £61 million Michael Smith Building, the £38 million Manchester Interdisciplinary Bio centre, the £32 million Core Technology Facility, and the £39 million AV Hill Building that houses a world-class neuroscience research facility.

The Manchester Incubator Building is a state-of-the-art biotechnology research and development centre, which offers superb laboratory facilities and infrastructure support for research and development start-up businesses. The Core Technology Facility houses biotech

businesses alongside academic staff in physiology and pharmacology research groups. The construction of a Neuroscience centre completes an impressive biomedical corridor that spans the entire length of the University campus.

The Faculty is also home to the Wellcome Trust Centre for Cell-Matrix Research, the Centre for History of Science, Technology and Medicine, the KNH Centre for Biomedical Egyptology, the Healing Foundation Centre for Tissue Regeneration and the newly created Centre of Excellence in Biopharmaceuticals.

Postgraduate opportunities span all fields of life sciences, from the molecule to the cell, to the whole organism and environments. Projects are offered from a range of exciting and challenging research themes.

Three- or 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. In addition, MRes and specialist MSc courses are taught in key areas designed to prepare you for further PhD study, or for a career in industry.

### Employment opportunities

The Faculty of Life Sciences is very proud of the training opportunities that we provide for all our graduate students during their studies. Whether you are taking a one-year masters degree or a three- or four-year PhD programme, in any subject area, our Graduate Training Programme provides a variety of research and

transferable skills, which 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 careers, teaching, academic administration, or careers within the public and environmental sector.

### Find out more

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

### Research programmes

Faculty of Life Sciences  
Postgraduate Research Office

[pgresearch.lifesciences@manchester.ac.uk](mailto:pgresearch.lifesciences@manchester.ac.uk)

tel +44 (0)161 275 5608

### Taught courses

Faculty of Life Sciences Recruitment  
and Admissions Office

[pgtaught.lifesciences@manchester.ac.uk](mailto:pgtaught.lifesciences@manchester.ac.uk)

tel +44 (0)161 275 5032

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

## 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 Science PhD/MPhil

**FT PT**

Biotechnology PhD/MPhil

**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**

Stem Cell Research PhD/MPhil

**FT PT**

Structural Biology PhD/MPhil

**FT PT**

Systems Neuroscience PhD/MPhil

**FT PT**

Toxicology PhD/MPhil

**FT PT**

MSc/PgDip

**FT**

Developmental Biology MSc/PgDip

**FT**

History of Science, Technology and  
 Medicine MSc/PgDip (including  
 Science Communication)

**FT PT**

Immunology and Immunogenetics  
 MSc/PgDip

**FT PT DL**

Molecular Parasitology and Vector  
 Biology MSc/PgDip

**FT PT**

Neuroscience MSc/PgDip

**FT**

Plant and Microbial Sciences  
 MSc/PgDip

**FT**

## Taught courses

Biochemistry MSc/PgDip

**FT**

Bioinformatics and Systems Biology  
 MSc/PgDip

**FT**

Biological Sciences MRes (including  
 Integrative Mammalian Biology)

**FT**

Biomechanics MSc/PgDip

**FT**

Biomedical and Forensic Studies in  
 Egyptology MSc/PgDip

**FT PT**

Biotechnology and Enterprise  
 MSc/PgDip

**FT**

Cancer Research and Molecular  
 Biomedicine MSc/PgDip

**FT**

Cell Biology MSc/PgDip

**FT**

Computational Neuroscience

# faculty of medical and human sciences



## Our research

Postgraduate opportunities across the Faculty span a broad spectrum of biomedical and health-related research, aimed at furthering career development and impacting upon policy and practice.

Our performance in the 2008 Research Assessment Exercise reflects the Faculty's strength across diverse biological and clinical research areas, from laboratory-based investigations, to studies of the impact of discoveries on population health. Research achievements are underpinned by an extensive network of world-class researchers and support staff, who tackle important research questions using interdisciplinary approaches.

Cutting-edge facilities abound within the Faculty. The new Central Manchester hospitals complex will bring together the services of five hospitals and provide further research and clinical facilities close to the University campus.

We have an exceptionally high quality of health sciences research and a strong track record of partnership working with the NHS and other major healthcare organisations, providing a wealth of opportunities for postgraduate research.

We look forward to welcoming and developing your abilities, commitment and experience as a postgraduate student in the Faculty of Medical and Human Sciences.

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

## Centres of excellence

### Manchester Academic Health Science Centre (MAHSC)

- Partnership between the University and six Greater Manchester NHS organisations, (established 2008), which aims to help the city-region become a world leader in health research
- Only such UK centre to cover the full spectrum of care: acute, specialist, mental health, primary and commissioning
- Aims to interconnect Manchester's existing research activity and partnerships, expand our integrated approach to research, implement research findings and support innovation in healthcare practice



- Aims to generate health benefits, economic development, enterprise, innovation and wealth creation in the region

### **Manchester Collaborative Centre for Inflammation Research (MCCIR)**

- Partnership between the University, AstraZeneca and GlaxoSmithKline
- Unique collaboration to establish a world-leading translational centre for inflammatory diseases

### **Collaboration for Leadership in Applied Health Research and Care (CLAHRC)**

- One of seven in England selected by the National Institute for Health Research to generate a step change in the quality of NHS care through knowledge transfer between a leading university and its surrounding NHS Trusts

### **Manchester Cancer Research Centre**

- Unites the expertise, ambition and resources of partner organisations with formidable reputations in cancer treatment and clinical research
- Researchers and clinicians work together in outstanding facilities to learn more about how cancer develops, then translate findings into new diagnostic tests and treatments for patients

### **Biomedical Research Centre (BRC)**

- Partnership between the University and the Central Manchester University Hospitals NHS Foundation Trust
- One of 12 Department of Health centres of excellence, with a funding package of £35m
- Includes projects that aid our understanding of health, development and disease for various conditions (eg cardiovascular disease, mental health), to develop new therapies and alleviate chronic long-term disability

### **Biomedical Imaging Institute**

- A hub for interdisciplinary activity across the University, encouraging the use of multi-modal imaging techniques, the development of new imaging methods and the integration of pre clinical and clinical imaging
- Members are renowned for expertise in neuro- and cancer-imaging, PET and MRI methodology, and image analysis

### **Institute of Health Sciences**

- Promotes health sciences research and postgraduate education across the University and our partner NHS Trusts

### **Neuroscience Research Institute**

- Unites researchers from science, engineering and medicine, allowing free-flowing interchange between basic and clinical studies, and thereby seamless integration of bench-to bedside research

### **Manchester: Integrating Medicine and Innovative Technology**

- First international affiliate of the highly successful US centre CIMIT®
- Clinicians and scientists (including engineers) devise mechanisms based on the latest technology to solve clinical problems

### **National Primary Care Research and Development Centre**

- Multidisciplinary, academically independent centre established at the University by the Department of Health
- Undertakes policy-related research in primary care

### **North West Genetic Knowledge Park (Nowgen)**

- Houses clinicians, scientists and communicators dedicated to applying research in medical genetics and social sciences to benefit patients and society

### **Centre for Integrated Genomic Medical Research**

- Hosts the UK DNA Banking Network, allowing researchers to search for the genes behind a range of chronic diseases

### **UK Biobank**

- Multimillion-pound project hosted by the University to improve knowledge of life threatening and debilitating diseases in the UK
- Recruiting a target of 500,000 people aged 40 to 69 in order to track their health over the next 30+ years

### **MHS stats**

£61 million predicted research income  
2,000+ postgraduate students

# student profile

**Name** Leyla Zilic  
**Age** 23  
**From** Manchester, UK  
**Degree** MRes Tissue Engineering For Regenerative Medicine  
**Graduates** 2011



## Why did you choose this degree?

"I worked as a research associate for the wound care company Systagenix. I had had an interest in tissue engineering ever since briefly studying it during my BSc in Biomedical Material Science at The University of Manchester. It is an area of science that is becoming more renowned, especially with recent breakthroughs in the repair and regeneration of tissues and organs.

"Manchester is a great place to live and study; the multicultural city is known for its lively student atmosphere. The University is highly ranked for research, which appealed to me, as I wanted to do a research-based postgraduate degree. The MRes course itself is interdisciplinary, allowing me to gain extensive knowledge in other areas, such as medicine, life sciences and materials."

## What do you think of your course?

"The course has increased my confidence and prepared me for a PhD. Seminars have opened me up to current research in tissue engineering, and feedback from lecturers has improved my writing and critique skills. The course also encourages teamwork with group presentations and challenges; this is especially important in research, where you have to regularly present your findings and work as part of a research group.

"As part of my final project, I collaborated between the School of Materials and Translational Medicine, and had the opportunity to work with equipment such as SEM (scanning electron microscopy) and DNA sequencing facilities.

"I always receive helpful feedback and my supervisors make sure that we have regular meetings to discuss any problems or queries. Staff members also helped me decide what I wanted to do after I finished my degree, giving me advice and looking over my CV.

## What do you most value about studying here?

"I value the people and friends I have made; they have made studying here a lot easier and enjoyable. I also value the knowledge and experience that I have gained, which I will take with me when continuing on with research in science.

"Finishing my undergraduate degree, I was unsure of what path to take in science; however, by doing my postgraduate degree I have realised I enjoy studying, so have decided to prolong my stay in academic research. Talking with other students and staff members here has made it easier to decide what I wish to achieve in the future."

# researcher profile

**Name** Kevin J Munro  
**Job title** Professor of Audiology & Director of Graduate Matters  
**School** Psychological Sciences  
**From** Edinburgh, Scotland



## What are your specialist areas of interest?

"In a nutshell, my research is concerned with our ears and the neural pathways that lead to the hearing part of the brain, and is mostly aimed at helping adults and children with hearing disorders. This might involve developing new diagnostic tests, or improving hearing devices, or enhancing rehabilitation methods.

"One of my projects investigates how the brain changes when someone is deaf and what happens when we provide them with a hearing device. Another investigates the effort that is required to listen. I'm also interested in helping infants with a permanent hearing impairment. What makes these projects special is that they allow me to work with a wide range of disciplines, so I can take innovative ideas and use them to improve quality of life for people of all ages with a hearing impairment. What could be more motivating and rewarding?"

## Why is Manchester good for research in your area?

"It is a very creative environment, just like the city itself. The University aspires to be one of the leading universities in the world, so that makes it an exciting place to work. There are great facilities, great people, and strong links between the University and the surrounding hospitals. There is a huge range of knowledge and skills across the University, so there is always someone to help with a research problem, or collaborate with.

## What are the facilities and resources like?

"We have a suite of sound-treated laboratories, so we can measure hearing accurately. We also have great facilities for doing exquisite measurements that range from observing a change in someone's behaviour in response to a sound, to measuring changes in their brain.

## How does your research benefit postgraduate students at Manchester?

"If you want to be the first to hear about new hearing research findings, and how it will help people with hearing disorders, Manchester is the place to be. Many lecturers combine clinical training with research work, so you'll be bang up-to-date with new developments. Chances are that the people who have carried out the research that informs clinical practice will be the people who will be lecturing you, or perhaps working with you on your research project. Why go anywhere else when the experts are in Manchester?

"There is very good support for postgraduate students within the Faculty. Staff are keen to help students succeed and will go out of their way to help you. It's such a creative place, full of enthusiastic and committed staff. Most of all, it is just a fun place to be around."



## Dentistry

- Top of UK research league
- Online/distance learning (DL) courses available
- New Postgraduate Dental Centre opened in 2010

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

Rated the best dental school for research in the 2008 UK RAE, the School of Dentistry has an international reputation for research, from developmental biology to clinical trials and systematic reviews. An ever-expanding portfolio of specialist dental courses also provides clinically directed training across an array of disciplines. Our innovative, fully integrated four-year Clinical PhD combines academic research with assessed clinical experience.

We have adopted a research structure with the mission of 'Understanding the Scientific Basis of Craniofacial and Oral Health', divided into two research themes: Basic Sciences and Health Sciences.

Basic Sciences aims to improve craniofacial health by enhancing our understanding of the mechanisms underlying health and disease and developing improved dental materials. Health Sciences focuses on dental health, contributing to knowledge of evidence-based health provision.

### Find out more

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

pg-dentistry@manchester.ac.uk  
tel +44 (0)161 306 0239

### 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**

Endodontology PhD/MPhil  
**FT PT**

Integrated Clinical PhD  
**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**

*Contact us to find out about other research degrees.*

### Taught courses

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

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

Clinical Dentistry (Orthodontics) MSc  
**FT**

Dental Implantology MSc/PgDip/PgCert  
**PT**

Dental Public Health MDPH/MRes/PgDip/PgCert  
**PT FT DL**

Endodontics MSc/Clinical Dentistry (Endodontics) MSc  
**FT**

Endodontics PgDip  
**PT**

Fixed and Removable Prosthodontics MSc  
**FT PT**

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

Restorative and Aesthetic Dentistry MSc  
**PT DL**

## Humanitarianism and Conflict Response

### Research programmes

Humanitarianism and Conflict Response PhD  
**FT PT**

### Taught courses

Humanitarianism and Conflict Response MA  
**FT PT**

*For details, see Faculty of Humanities section, p69*

## Medicine

- Highly rated for research
- Unique mix of clinical and social scientists with access to multidisciplinary training and supervision
- Unrivalled methodological expertise
- Superb links to NHS and community sites

### Selected RAE returns:

Cancer Studies  
RAE **4\*30%** **3\*60%** **2\*10%** **1\*0%**  
Cardiovascular Medicine  
RAE **4\*15%** **3\*60%** **2\*25%** **1\*0%**  
Pre-Clinical and Human Biological Sciences  
RAE **4\*20%** **3\*45%** **2\*35%** **1\*0%**  
Primary Care and Other Community-Based Clinical Subjects  
RAE **4\*40%** **3\*40%** **2\*15%** **1\*5%**

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

The School of Medicine comprises five Schools reflecting emerging biomedical priorities: Biomedicine; Cancer and Enabling Sciences; Community-Based Medicine; Translational Medicine; and Manchester Medical School. In partnership with Greater Manchester NHS Trusts, the School is one of Europe's largest, boasting innovative teaching and research approaches, and acting as a leading international medical centre. The creation of the Manchester Academic Health Science Centre (MAHSC) has further strengthened our emphasis on 'bench to bedside' research and discovery science.

With stimulating research and learning environments, our Schools offer diverse postgraduate opportunities to scientists, clinicians and the healthcare community. These range from fundamental biological sciences, to clinical and health services research involving emerging social and economic issues. Postgraduate and Continuing Professional Development training allows you to gain professionally recognised qualifications in specialist areas, explore research interests with a view to moving onto a PhD, or simply gain valuable experience. Research training spans the entirety of the basic and applied sciences.

Some of our PhD researchers investigate the origin of diseases at the molecular, cellular and genetic level. Others focus at organ or tissue level, while others consider the effects of interventions on populations rather than on individuals. Technological and computational approaches deliver research at the interface of the scientific disciplines, resulting in groundbreaking discoveries about medical disorders or the living cell.

All postgraduate research students attend our popular graduate skills training programme, to maximise

their research potential and gain an edge in career progression into academia, healthcare, or industry.

**Find out more**  
[www.manchester.ac.uk/medicine](http://www.manchester.ac.uk/medicine)

[pg-medicine@manchester.ac.uk](mailto:pg-medicine@manchester.ac.uk)  
 tel +44 (0)161 275 5688

### Research programmes

(in key subject areas listed below)

Medicine MPhil/PhD

**FT PT**

MDFT

**PT**

ChM

**FT PT**

Cancer Studies

Cardiovascular

Developmental Biomedicine

Inflammation Sciences

Health Sciences

Imaging, Genomics and Proteomics

Mental Health and

Neurodegeneration

Musculoskeletal

Respiratory

*For more information on research training opportunities, see our website. Research study applicants should select PhD/MD/IMPhil Medicine initially and provide detail on your proposed study area, or academic supervisor.*

### Doctoral Training Centre programmes\*

Humanitarianism and Conflict Response

**FT PT**

Integrative Systems Biology

**FT**

Nanoscience

**FT**

*\*For further details, see Manchester Doctoral College p96-99*

### Taught courses

Applied Mental Health MSc/PgDip  
**PT**

Bio Health Informatics MSc (with the School of Computer Science)

**FT PT**

Biostatistics MSc (with the School of Mathematics)

**FT**

Cardiovascular Health and Disease MRes

**FT**

Clinical Biochemistry MSc

**FT PT**

Clinical Rheumatology MSc

**PT**

Forensic Mental Health MSc/PgDip

**PT** 3 Years

Genetic Counselling MSc

**FT** 2 Years

Genetic Medicine MRes\*

**FT**

Health Care Ethics and Law MA/PgDip (with the School of Law)

**FT PT**

Investigative Ophthalmology and Vision Science MSc

**FT PT**

Maternal and Fetal Health MRes

**FT**

Medical Microbiology MSc

**FT PT**

Medical Sciences MRes

**FT**

Medical Virology MSc

**FT**

Occupational Hygiene MSc/PgDip  
**DL**

Occupational Medicine MSc/Advanced PgDip  
**DL**

Oncology MRes/PgDip

**FT**

Primary Care MRes

**DL**

Psychiatry (Blended Learning) MSc/PgDip

**PT**

Public Health MRes/MPH/PgDip/PgCert

**DL**

Tissue Engineering for Regenerative Medicine MRes

**FT**





Translational Medicine  
MRes/PGCert

**PT FT**

- Pharmaceutical Cancer Pathway
- Interdisciplinary Molecular Medicine Pathway

Work Based Medical Education  
MSc/PgDip/Pg Cert

**PT**

*\*Subject to approval*

## Nursing, Midwifery and Social Work

- 1st in the UK for research
- Reputation for innovation in teaching and learning
- Strong links with health and social care providers
- Excellent employment and career progression prospects

RAE **4\*50%** **3\*35%** **2\*10%** **1\*5%**

A recognised international leader in research and education, the School of Nursing, Midwifery and Social Work offers you diverse academic study opportunities in line with the pace of change in health and social care. We ranked top for nursing and midwifery research in the 2008 UK RAE. Our high quality, applied research aims to provide evidence to improve patient care and shape health and social care services. With the largest research portfolio of such schools in the UK, we attract considerable funding and output in renowned journals.

Strong links with the School of Psychological Sciences, the Institute of Health Sciences and the Manchester Academic Health Science Centre provide ample opportunities for multidisciplinary research. Our research programmes are consistently highly commended in external reviews, while several practice-focused, multi-professional courses have

enhanced our reputation in taught study. Underpinned by our research activity and expertise, we offer high-quality programmes that meet professional body requirements where appropriate. Specialist education ranges from developing professionals for existing, new and advanced roles in health and social care, to enhancing clinical, health and social care research through training courses.

Postgraduate research students receive extensive research training in transferable skills. Excellent training in research methods, together with the opportunity to work with internationally acclaimed academics and practitioners, mean you will be well equipped to contribute to leading health and social care research.

Our established Distributed (Online) Learning PhD/MPhil and MRes courses are innovative developments in high quality research training. The School occupies a state-of-the-art building, while our outstanding learning facilities include seminar rooms, high-specification clinical and interpersonal skills laboratories, a dedicated student computer suite and full wireless access. One of Europe's best library collections and resources includes an extensive range of health and social care books and journals, as well as diverse related subjects. Many online resources can be accessed off-site.

We particularly welcome postgraduates interested in health/social care research topics including: mental health; management of chronic illness; cancer, supportive and palliative care; child and family health; and social care.

### Find out more

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

graduate.nursing@manchester.ac.uk  
tel +44 (0)161 306 0270

### Research programmes

Nursing MPhil/PhD

**FT PT DL**

Social Work MPhil/PhD

**FT PT DL**

### Taught courses

Advanced Nursing/Midwifery  
Studies PgDip/MSc

**FT PT**

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 PgDipClin  
Res/MClin Res\*FT

**PT DL**

Health and Social Care Research  
PgDip Res/MRes HSC

**FT PT DL**

Social Work MA

**FT**

*\*Funded studentships may be available on these courses – for information, see the School website*

## Pharmacy and Pharmaceutical Sciences

- Modern, world-class facilities
- Internationally renowned for research
- Flexible taught courses

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

The School of Pharmacy and Pharmaceutical Sciences has long been internationally renowned for research, and we are also proud of our teaching, translating excellence in basic science into professional training and continuing education in pharmacy. We recently

**Key**  
**FT** full-time  
**PT** part-time  
**DL** distance learning

Research Assessment Exercise % of research activity judged to be:

**4\*** world leading      **2\*** internationally recognised  
**3\*** internationally excellent      **1\*** nationally recognised

transferred to a new £18 million research site, offering world-class facilities. Basic physical and biological sciences research is allied to pharmacy disciplines to equip you for research and/or careers in academia, pharmaceutical and related industries, or clinical pharmacy. We also house the National Centre for Pharmacy Postgraduate Education, providing continuing professional development to all 18,500 community pharmacists in England.

A variety of postgraduate programmes suit the needs of anyone seeking to enter or to advance a career in the pharmaceutical industry or in academic research in drug development.

Candidates with a good undergraduate science or engineering degree may enter the MPhil/PhD Pharmaceutical Sciences, where you gain an understanding of the complete drug development process while carrying out advanced research in drug design, drug delivery, pharmacokinetics, or drug usage and evaluation.

Scientists or managers who work in the pharmaceutical industry can take stand-alone CPD course units, or combine them to obtain a postgraduate diploma or MSc. For pharmacists wishing to become leaders in health service management, our Health Services diploma enhances your clinical knowledge and develops your managerial and problem solving skills.

**Find out more**  
[www.manchester.ac.uk/pharmacy](http://www.manchester.ac.uk/pharmacy)  
 pharmgrad@manchester.ac.uk  
 tel +44 (0)161 306 0259

### Research programmes

Pharmacy and Pharmaceutical Sciences MPhil/PhD  
**FT PT**

### Taught courses

Clinical and Health Services Pharmacy MSc/PgDip  
**PT**

Community Pharmacy Public Health Services MSc/PGDip\*  
**DL**

Modelling and Simulation in Pharmacokinetics/Pharmacodynamics MSc/PgDip/PgCert  
**DL**

Pharmaceutical Industrial Advanced Training MSc/PgDip/PgCert  
**DL**

See also *Nanoscience* (under *Manchester Doctoral College*)

\*Subject to approval

## Psychological Sciences

- Various collaborations with external partners
- Masters courses unique to the UK
- Degrees based on cutting-edge research

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 audiological sciences, cognitive neuroscience, mental health and speech and language therapy. We aim to offer unrivalled, comprehensive training focusing upon the latest developments in psychology. The School is internationally renowned for its work on research and training in Cognitive Behavioural Therapies (CBT) for anxiety, bipolar disorder and psychosis. We collaborate with

numerous external partners, including research on sustainable consumption sponsored by Tesco, projects on cognitive science funded by Unilever, and strong working relationships with NHS Trusts across the region, hearing aid companies, and leading international universities.

As well as our Clinical Doctorate in Psychology, we offer professionally directed training in Audiology, while the MRes in Psychology prepares individuals for research careers or PhD study. Our MSc in Clinical and Health Psychology combines the academic grounding for both of these disciplines and our MSc in Cognitive Brain Imaging provides technical training informed by psychological science. Both courses are unique in the UK.

**Find out more**  
[www.manchester.ac.uk/psych-sci](http://www.manchester.ac.uk/psych-sci)  
 pg-psychology@manchester.ac.uk  
 tel +44 (0)161 275 2585

### Research programmes

Audiology MPhil/PhD  
**FT PT**  
 Clinical Psychology MPhil/PhD  
**FT PT**  
 Clinical Psychology Doctorate Clin PsyD  
**FT**  
 Psychology MPhil/PhD  
**FT PT**

### Taught courses

Audiology MSc/PgDip  
**FT**  
 Clinical and Health Psychology MSc  
**FT**  
 Cognitive Brain Imaging MSc  
**FT**  
 Deaf Education PgDip  
**FT PT DL**  
 Psychology MRes  
**FT PT**



# manchester doctoral college



## An innovative model of doctoral training

The Manchester Doctoral College (MDC) has overarching responsibility for postgraduate research study across The University of Manchester.

Over recent years, the University has established a number of Centres for Doctoral Training (CDTs), which complement existing Faculty PhD programmes and provide a new model of doctoral training.

CDTs offer you the chance to study a four-year PhD programme in an area of cutting-edge research, often cutting across traditional discipline boundaries.

### Why study at MDC?

The College hosts a number of Centres for Doctoral Training, each of which involves:

- Commitment to interdisciplinarity
- A four-year research programme with integrated taught components
- A doctoral dissertation meeting international standards of excellence
- Integration into world-class research teams
- The chance to share research development as part of a cohort of fellow doctoral students

Please note that the following postgraduate study options are all subject to availability. For the most up-to-date information, see [www.manchester.ac.uk/mdc](http://www.manchester.ac.uk/mdc)

## Advanced Metallic Systems Centre for Doctoral Training

The Advanced Metallic Systems CDT, hosted jointly by the Universities of Manchester and Sheffield, provides an exciting new approach to postgraduate research and training in metallic materials. High calibre students from a range of physical science and engineering backgrounds undertake a four-year programme, comprising a first year of taught courses and case studies in core materials topics, leading into a full PhD research project developed by the student with their supervisor. Most PhD projects will be supported by industrial sponsorship and supervision.

The technical programme is supplemented by a transferable skills training programme, leading

**Key**

**FT** full-time

**PT** part-time

**DL** distance learning

to a Diploma in Professional Skills, preparing you for future management and leadership roles in industry and research.

**What could you be working on?**

New ultra-lightweight, high performance solutions for aerospace and automotive applications; novel corrosion resistant materials for offshore energy generation and medical implants; the next generation of nuclear reactor materials; innovative and sustainable manufacturing.

**Find out more**

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

tel +44 (0)114 222 5478

**Research programme**

Advanced Metallic Systems PhD  
**FT**

## Centre for Doctoral Training in Computer Science

Manchester has the UK's broadest computer science research portfolio, from electronic data storage, massively parallel neural microchip engineering and multicore software through to world-beating theorem provers, machine intelligence, semantic technologies, text-mining and e-Science.

Our Centre follows a new model of four-year research training, which combines the deep technical research associated with the traditional UK PhD, with training in creativity and innovation reinforced by collaboration with industrial stakeholders who have taken a strong interest in the foundation of this centre.

**Find out more**

<http://cdt.cs.manchester.ac.uk>

tel: +44 161 275 0699

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

**Research programme**

Computer Science PhD (CDT 4 years)  
**FT**

## Engineering Doctorate (EngD) Centre in Engineering for Manufacture

The EngD in 'Engineering for Manufacture' is a four-year postgraduate research programme run in collaboration with the manufacturing industry, aimed at individuals considering a career in industry. You tackle real world, industrially relevant research projects, mainly based at the sponsoring company.

The EngD comprises four elements: a doctoral-level, industry-focused research project; a Diploma in Enterprise Management; taught technical course units; and a professional development programme.

The EngD Centre is an accredited training provider with IMechE and IET, allowing rapid mentored progression to CEng. Students from other disciplines are also supported in seeking Chartered status.

**Find out more**

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

tel +44 (0)161 306 4157

**Research programme**

Engineering for Manufacture EngD  
**FT**

## Engineering Doctorate Centre in Nuclear Engineering

Formed in 2006, this Centre involves a consortium of UK universities, led by The University of Manchester in partnership with Imperial College London.

The primary objective of the Nuclear EngD is to provide outstanding young nuclear research engineers with intensive, broadly based training in collaboration with industrial companies, so that they are equipped to take up senior roles within the nuclear industry.

In addition to obtaining a high quality qualification, you will gain experience of working in an industrial research and development environment. This four-year programme involves you being based within an industrial company in the UK.

The programme comprises four elements: a doctoral-level research project, or portfolio of projects; a diploma in Enterprise Management; taught technical course units; and a professional development programme.

**Find out more**

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

tel +44 (0)161 275 4338

**Research programme**

Nuclear EngD  
**FT**

## ESRC North West Doctoral Training Centre

The ESRC North West Doctoral Training Centre offers studentships in 19 pathways in the Social Sciences. If you are interested, please visit [www.nwdtc.ac.uk](http://www.nwdtc.ac.uk) or contact the School to which you wish to apply for more information.

## Humanitarian and Conflict Response Institute

The Humanitarian and Conflict Response Institute (HCRI) aims to inform and support policy and decision-makers; to optimise joint working between partner organisations; and to foster increased understanding and debate within the field of humanitarianism. To achieve these aims, it brings together the disciplines of medicine and the humanities, facilitating improvements in crisis response on a global scale while providing a much-needed centre of excellence for all concerned with emergencies and conflicts.

Led by the former President of Médecins Sans Frontières, Dr Rony Brauman, we aim to combine the research and teaching of academics working in a considerable variety of disciplines to offer an exceptionally diverse learning environment.

Our doctoral programme uniquely focuses on responses to crises originating from both conflict zones and natural disasters. Bringing together the study of medicine and humanities provides a holistic approach, which mirrors the reality of aid operations and informs the reflexive processes of both analytical and applied disciplines.

### Find out more

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

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

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

tel +44 (0)161 275 8967

### Research programme

Humanitarianism and Conflict Response PhD

FT PT

### Taught course

Humanitarianism and Conflict Response MA

FT PT

## Integrative Systems Biology Centre for Doctoral Training

We have an excellent understanding of biomolecules and how they work in isolation, but we still don't truly understand how health and disease processes unfold in organisms. Recent discoveries in systems biology show why: the functions of life crucially depend on myriads of interactions and networking between molecules, cells and organs. To unravel these complex networks is the aim of research within the Systems Biology Doctoral Training Centre.

Industry and academia require a new generation of scientists who are skilled and experienced in dealing with the 'Networks of Life'. We offer a four-year, multidisciplinary PhD training programme in which groups of students study cutting-edge topics and use latest technologies to put together pieces of the puzzle called Life.

Students engage in a combined experimental-theoretical research

project chosen from topics such as multifactorial diseases (eg diabetes, cancer, epilepsy); the dynamics of information processing in living cells; and synthetic biology, the creation of new functions of life.

### Find out more

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

tel +44 (0)161 306 5188

### Research programme

Systems Biology PhD

FT

## North West Nanoscience Centre for Doctoral Training

NOWNANO builds on the world leading expertise in all nanoscience within Manchester and Lancaster universities to offer a broad, interdisciplinary doctoral training centre.

Before focusing on one specific area of nanoscience in their research projects, PhD students receive initial training that demonstrates the breadth and potential of nanoscience and nanotechnology and prepares them for truly innovative, interdisciplinary PhD research. Throughout training, the cohort meets and discusses their research, building a group of outstanding future nanoscientists.

### Key programme features

- Research that develops interdisciplinary skills
- Choice of experimental, theoretical and computational projects



**Key****FT** full-time**PT** part-time**DL** distance learning

- Topics include: synthesis, fabrication, characterisation and modelling of nanomaterials; experimental and theoretical physics of nano-devices; nanophotonics and nanoplasmonics; applications of nanotechnology in solar cells, data storage, and imaging; tissue engineering for regenerative medicine, applications of nanotechnology for targeted drug delivery, and many others.
- Six-month training course in core research techniques, including two mini-projects in a choice of labs
- Based in state-of-the-art nanoscience laboratories

**Find out more**[www.nownano.manchester.ac.uk](http://www.nownano.manchester.ac.uk)

tel +44 (0)161 275 1887

**Research programme**

Nanoscience PhD

**FT**

## Nuclear FiRST Centre for Doctoral Training

Nuclear FiRST aims to underpin UK energy strategy by addressing the growing doctoral skills gap in nuclear fission science and engineering. It is a partnership between The Universities of Manchester and Sheffield.

We are adopting a radically different approach to PhD study, combining a masters-level foundation year with a three-year doctoral-level thesis project. Our DTC training programme provides you with an exciting and interdisciplinary approach to postgraduate research training, in a high quality and professional research environment.

**Key features of the programme**

- Research in which you develop interdisciplinary skills
- First year dedicated to you acquiring a broad knowledge of nuclear science and the fuel cycle, through MSc-level course units
- Opportunity to undertake two 'taster' research projects, to enable you to make an informed choice of PhD topic
- Training in professional skills and project placements in industry or research institutions in the UK and overseas
- Access to world-class facilities at both Manchester and Sheffield universities

Nuclear FiRST welcomes applications from graduates who have, or expect to obtain, a good degree (First class or Upper Second) in a relevant discipline, such as chemistry, physical, materials, earth or environmental sciences, or an appropriate branch of engineering.

**Find out more**[www.nuclearfirst.manchester.ac.uk](http://www.nuclearfirst.manchester.ac.uk)

tel +44 (0)161 275 1887

**Research programme**

Nuclear FiRST PhD

**FT**

## Sustainable Consumption Institute

The Sustainable Consumption Institute (SCI) is an interdisciplinary, academically independent research institute established by The University of Manchester. It has a distinctive focus on innovative ways to harness the power of

consumers to shape policy making in business, government and civil society, and to bring about a step-change to more environmentally sustainable lifestyles.

In 2008, the SCI CDT had its first intake of students on fully funded, four-year scholarships. Currently, 25 doctoral students form the core SCI CDT community across three cohorts. Our aim is to develop an outstanding community of students whose research spans multiple disciplines.

You will undertake a rigorous programme comprising a number of integrated cross-disciplinary tasks and activities. The innovative programme emphasises collaboration through effective communication, networking and teamwork.

The SCI CDT is the only doctoral training programme that has recruited across all four Faculties, developing and consolidating an innovative and adaptable model for early career cross disciplinary research training and international collegial community development.

**Find out more**[www.manchester.ac.uk/sci](http://www.manchester.ac.uk/sci)

tel +44 (0)161 275 0913

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Bioethics and Medical Jurisprudence PhD	71
Bioinformatics PhD/MPhil	87
Bioinformatics and Systems Biology MSc/PgDip	87
Biological Chemistry PhD/MPhil	47
Biological Sciences MRes (including Integrative Mammalian Biology)	87
Biomaterials MSc	52
Biomaterials Science and Dental Technology PhD/MPhil	92
Biomechanics MSc/PgDip	87
Biomedical and Forensic Studies in Egyptology MSc/PgDip	87
Biomedical Materials PhD/MPhil/MSc by Research	51
Biomolecular Science PhD/MPhil	87
Biostatistics MSc	53, 93
Biotechnology MSc/PgDip/PgCert	47
Biotechnology PhD/MPhil	87
Biotechnology and Enterprise MSc/PgDip	87
Business DBA/EntD/PhD/MPhil/MRes/MEnt	73
Business Administration Full-time MBA	73

## C

Cancer Research and Molecular Biomedicine MSc/PgDip	87
Cancer Studies MPhil/PhD/MDFT/ChM	93
Cardiovascular MPhil/PhD/MDFT/ChM	93
Cardiovascular Health and Disease MRes	93
Cell Biology PhD/MPhil/MSc/PgDip	87
Cell Matrix Research PhD/MPhil	87
Ceramics and Glasses PhD/MPhil/MSc by Research	51
Channels and Transporters PhD/MPhil	87
Chemical Engineering PhD/MPhil	46
Chemical Engineering and Analytical Science EngD/EntD/Integrated PhD/PhD/MPhil/MEnt	46
Chemical Engineering with Design MSc/PgDip/PgCert	47
Chemistry EngD/EntD/PhD/MPhil/MEnt/MSc by Research	47
Chinese Business and Management MSc	73
Chinese Studies PhD/MPhil	64
Civil Engineering PhD/MPhil/MSc by Research	54
Classics and Ancient History PhD/MA	62
Clinical and Health Psychology MSc	95
Clinical and Health Services Pharmacy MSc/PgDip	95
Clinical Biochemistry MSc	93
Clinical Dentistry (Fixed and Removable Prosthodontics) MSc	92

Clinical Dentistry (Oral and Maxillofacial Surgery) MSc	92	Economics MPhil/MRes/PhD/MSc/MA/PgDip	65
Clinical Dentistry (Orthodontics) MSc	92	Economics (Economics of Health) MSc	65
Clinical Psychology Doctorate Clin PsyD/PhD/MPhil	95	Economics (Environmental Economics) MSc	65
Clinical Research PgDip/Clin Res/MClin ReS	94	Economics and Econometrics MSc	65
Clinical Rheumatology MSc	93	Education Doctorate EdD/MPhil/PhD/MA	65
Cognitive Brain Imaging MSc	95	Educational and Child Psychology Doctorate DEdChPsy	65
Colloids, Crystals, Interfaces and Materials PhD/MPhil	46	Educational Leadership and School Improvement MA	65
Communication Engineering MSc	51	Educational Psychology DoctorateDEdPsy	65
Community Pharmacy Public Health Services MSc/PgDip	95	Educational Research MSc	65
Composite Materials PhD/MPhil/MSc by Research	51	Educational Technology and TESOL MA	65
Composition MusM	76	Egyptology PhD/MPhil	87
Computational Neuroscience MSc/PgDip	87	Electrical and Electronic Engineering EngD/EntD/PhD/MPhil/Split-site PhD/MEnt/MSc by Research	50
Computer Science PhD/MPhil/MEnt	48	Electrical Energy Conversion Systems MSc	51
Computer Science PhD (CDT 4 years)	97	Electrical Power Systems Engineering MSc	51
Conference Interpreting MA/PgDip	67, 81	Electroacoustic Music Composition MusM	76
Contemporary Literature and Culture MA	62	Endodontics MSc/Clinical Dentistry (Endodontics) MSc/PgDip	92
Corporate Communications and Reputation Management MSc	73	Endodontology PhD/MPhil	92
Corrosion and Protection PhD/MPhil/MSc by Research	51	Engineering for Manufacture EngD	46, 47, 51, 52, 54, 55, 97
Corrosion Control Engineering MSc/PgDip/PgCert	52	English and American Studies PhD/MA	66, 67
Counselling MA	65	English Language PhD/MA	72
Counselling Psychology Doctorate DCouns	65	Environment and Sustainable Technology MSc/PgDip/PgCert	47
Creative Writing PhD/MA	62	Environmental Biology PhD/MPhil	87
Crime, Law and Society MA	63	Environmental Engineering PhD/MPhil	54
Criminology MPhil/PhD	63	Environmental Geochemistry and Geomicrobiology PhD/MPhil/MSc by Research	49
Criminology and Socio-Legal Studies MRes	63	Environmental Governance MSc	68
Critical Learning Disability Studies MA	65	Environmental Impact Assessment and Management MA	77
Cultural History MA	68	Environmental Monitoring, Modelling and Reconstruction MSc	68
<b>D</b>		Ethnographic Documentary MPhil	79
Deaf Education PgDip	95	Evolutionary Biology PhD/MPhil	87
Dental Implantology MSc/PgDip/PgCert	92	<b>F</b>	
Dental Public Health MDPH/MRes/PgDip/PgCert	92	Fashion Technology MSc by Research	51
Dental Public Health/Community Dentistry PhD/MPhil	92	Finance MSc	73
Development Economics and Policy MSc	69	Finance and Business Economics MSc	73
Development Finance MSc	69	Financial Economics MSc	65
Development Policy and Management MPhil/PhD	69	Financial Mathematics PhD/MPhil	52
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Developmental Biology PhD?MPhil/MSc/PgDip	87	Forensic Mental Health MSc/PgDip	93
Developmental Medicine MPhil/PhD/MDFT/ChM	93	French Studies PhD/MPhil	67
Digital Image and Signal Processing MSc	51	<b>G</b>	
Digital Technologies, Communication and Education MA	65	Gender, Sexuality and Culture MA	67
Drama PhD	63	Gene Expression PhD/MPhil	87
<b>E</b>		Genetic Counselling MSc	93
Early Modern History MA	68	Genetic Medicine MRes	93
Earth, Atmospheric and Environmental Sciences PhD/MPhil/MEnt/MSc by Research/EntD	49	Genetics PhD/MPhil	87
East Asian Studies PhD/MPhil	64		
Econometrics MSc	65		
Economic and Social History MA	68		

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Geographical Information Science MSc	68
Geography: Human Geography MPhil/PhD	68
Geography: Physical Geography MPhil/PhD	68
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Global Business Analysis MBus	73
Global Urban Development and Planning MSc	69, 77
Globalisation and Development MSc	70

## H

Health and Social Care Research PgDip Res/MRes HSC	94
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Health Care Ethics and Law MSc (Intercalated)	71
Health Sciences MPhil/PhD/MDFT/ChM	93
Healthcare Management MSc	73
History PhD/MA	68
History: Economic and Social History Integrated PhD	68
History of Science, Technology and Medicine PhD/MPhil/MSc/PgDip	87
Human Resource Development (International Development) MSc	70
Human Resource Management (International Development) MSc	70
Human Resource Management and Comparative Industrial Relations (International) MSc	73
Human Resource Management and Development (International Development) by Distance Learning MSc/PgDip/PgCert	70
Human Resource Management and Industrial Relations MSc	73
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Humanitarianism and Conflict Response MA	69, 92, 93
Humanitarianism and Conflict Response PhD	69, 92, 98

## I

ICTs for Development MSc	70
Imaging, Genomics and Proteomics MPhil/PhD/MDFT/ChM	93
Immunology PhD/MPhil	87
Immunology and Immunogenetics MSc/PgDip	87
Industry, Trade and Development MSc	70
Inflammation Sciences MPhil/PhD/MDFT/ChM	93
Information Systems: Business Information Technology MSc	73
Information Systems: e-Business Technology MSc	73
Information Systems: Organisations and Management MSc	73
Innovation Management and Entrepreneurship MSc	73
Inorganic Chemistry PhD/MPhil	47
Instrumentation PhD/MPhil	46
Integrated Clinical PhD	92
Integrative Neurobiology and Behaviour PhD/MPhil	87
Integrative Systems Biology	46, 93
Intellectual Property Law PgDip (validated route)	71
Intercultural Communication MA	67

International Business and Management MSc	74
International Development: Development Management MA	70
International Development: Economics and Management of Rural Development MSc	70
International Development: Environment and Development MA	70
International Development: Politics and Governance MA	70
International Development: Poverty, Conflict and Reconstruction MA	70
International Development: Public Policy and Management MA	70
International Development: Social Policy and Social Development MA	70
International Fashion Retailing MSc	52
International Fashion Retailing (Business Process Improvement) MSc	52
International Fashion Retailing (Multichannel Management) MSc	52
International Politics MA/PgDip	77
Interpreting Studies PhD/Phil	81
Investigative Ophthalmology and Vision Science MSc	93
Isotope Geochemistry and Cosmochemistry PhD/MPhil/MSc by Research	49
Italian Studies PhD/MPhil	67

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Jewish Studies MA	78

## L

Languages and Cultures (research-route) MA	67
Languages and Cultures MA	74
Languages and Linguistics MA	67, 72
Languages and Linguistics PgDip	72
Latin American Cultural Studies MPhil/PhD/MA	70
Law MPhil/PhD	71
Law and Development MA	71
Linguistics and English Language Integrated MA/PhD	72
Linguistics PhD/MPhil/MA/PgDip	72
Literatures and Cultures 1200- 1700 MA	66
LLM	71

## M

Maintenance Engineering and Asset Management MSc/PgDip/PgCert	54
Management MSc	74
Management and Implementation of Development Projects MSc	70
Management and Information Systems: Change and Development MSc/PgDip/PgCert	70
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Management of Projects: Engineering Project Management MSc	54	Nanoscience	46, 47, 51, 52, 55, 93, 99
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Managerial Psychology MSc	74	Neuroscience PhD/MPhil/MSc/PgDip	87
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Master of Environmental Sciences, Policy and Management (MESPOM)	50	Nuclear Engineering	54, 55
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Materials Chemistry PhD/MPhil	47	Nuclear FIRST	46, 47, 50, 52, 54, 55, 99
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Mathematical Finance MSc	53	Nursing MPhil/PhD	94
Mathematical Logic PhD/MPhil	52	<b>O</b>	
Mathematical Logic and the Theory of Computation MSc/PgDip	53	Occupational Hygiene MSc/PgDip	93
Mathematics and Computational Sciences MSc	53	Occupational Medicine MSc/Advanced PgDip	93
Mathematics EngD/EntD	52	Oncology MRes/PgDip	93
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Mechanical Engineering PhD/MPhil/MSc by Research	54	Ophthalmology PhD/MPhil	87
Mechanical Engineering Design MSc	54	Optometry PhD/MPhil	87
Medical Microbiology MSc	93	Oral and Maxillofacial Surgery PhD/MPhil/MSc/PgDip	92
Medical Sciences MRes	93	Oral Radiology PhD/MPhil	92
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Medicine MPhil/PhD/MDFT/ChM	93	Organic Chemistry PhD/MPhil	47
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Membrane Trafficking PhD/MPhil	87	Organisational Psychology MSc	74
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		Plant and Microbial Sciences MSc/PgDip	87
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Probability PhD/MPhil	53	Technical Textiles MSc by Research	51
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Professional Doctorate in Museum Practice	75	Textile Science and Technology PhD/MPhil/MSc by Research	51
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Prosthodontics PhD/MPhil	92	Textile Technology (Digital Print Technology) MSc	52
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Restorative and Aesthetic Dentistry MSc	92	Victorian Times MA	68
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		<b>W</b>	
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Social Anthropology PhD/MPhil/MA/PgDip	79	World History MA	68
Social Anthropology with Visual Media MPhil/PhD	79		
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Social Research Methods and Statistics MSc/PgDip	80		
Social Statistics MPhil/PhD	80		
Social Work PhD/MPhil/MA	94		
Sociological Research MSc	80		



## Disclaimer

This Prospectus aims to give an introduction to The University of Manchester for potential postgraduate students. It is prepared well in advance of the academic year to which it relates. At the time of going to press, the degree programmes described herein are those that the University is planning to offer in Session 2012/2013. The University will use all reasonable endeavours to deliver programmes listed in this Prospectus. However, the University reserves the right to make variations to the contents or methods of delivery of programmes, to discontinue programmes and to merge and combine programmes, if such action is reasonably considered to be necessary by the University.

The fees payable by students tend to increase with inflation or to reflect the University's financial position. The University therefore also reserves the right to make such alterations to the fees as necessary.

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