

MANCHESTER
1824

The University
of Manchester

THE UNIVERSITY OF MANCHESTER

UNDERGRADUATE

PROSPECTUS 2013 ENTRY

www.manchester.ac.uk



AS WELL AS READING THIS PROSPECTUS...

www.manchester.ac.uk

Visit www.manchester.ac.uk

Visit our University website for lots more information, including: greater detail on individual undergraduate courses; helpful advice on student life; videos and profiles of our students; information on the city of Manchester; more detail on careers and accommodation services; and information for international applicants.

Join our admissions online community

Admissions information and the latest University news are available on Facebook and Twitter, as well as our student blogs: www.manchester.ac.uk/ug

Contact your admissions officer

Telephone the subject admissions officer for specific queries on your subject area or course – contact details are included in our course pages.

Visit our campus

We run guided visits of our campus on most Wednesday afternoons during November to March, and a more limited number of visits during April to October. Starting at 1.30pm and finishing at 3.30pm, guided visits include a presentation on the University and a campus tour, led by one of our students, taking in our main services and facilities.

If you cannot attend a guided visit, you are welcome to see our campus independently. Our Visitors Centre in the University Place building (building 37 on the campus map, see *p200*) which provides maps and information, and is open Monday to Friday, 9am to 5pm.

We also run accommodation tours of some of our halls of residence on the Fallowfield campus most Wednesday mornings between November and March, with a limited number of tours over the summer. You'll see our Fallowfield campus, take a walking tour of the campus and see at least one student bedroom. Tours run from 10.30am until 12noon and last for around an hour.

For more information, or to book a place on a guided visit or accommodation tour, call +44 (0)161 275 2077, or visit: www.manchester.ac.uk/ug/opensdays/othervisits

If you need a copy of this prospectus, or certain sections of it, in an alternative format, please contact our Student Recruitment Office: +44 (0)161 275 2077.



COME TO AN OPEN DAY

FRIDAY 22 JUNE 2012

SATURDAY 23 JUNE 2012

SATURDAY 6 OCTOBER 2012

www.manchester.ac.uk/opensdays



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“

My time at The University of Manchester has helped me grow as a person and I feel privileged to have been able to get involved in so much and meet so many great people.

Sophie Taylor LLB Law

”



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OUR
UNIVERSITY



“

Always among the giants
of British higher education.”

The Times Good University
Guide 2012

“

Manchester's continuing success is due in part to the positive experience that graduates report.

”

The Guardian University Guide 2012

WHO ARE WE?

Proud and ambitious, down-to-earth and friendly, we offer you a world-class learning experience that's rooted in a rich educational heritage at The University of Manchester. Cutting-edge research and innovation feeds into our courses, while you'll find countless opportunities for extra-curricular activities and skills development. All this and more at the heart of Britain's most popular student city.

Part of the prestigious Russell Group of universities, with outstanding facilities, resources and opportunities, we are highly respected among global academic and business communities. This respect will extend to you in the job market: our students are the most targeted in the UK by leading graduate recruiters.

Making things happen

At the University we focus on turning enthusiasm into achievement and ground-breaking theory into cutting-edge practice. Over more than 180 years, our innovative minds have accomplished feats of global importance, including the birth of the modern computer, the splitting of the atom, and the foundation of present-day economics.

Today, we enjoy an international reputation for pioneering research and our problem-based approach to learning, which encourages our students to think critically and creatively – cultivating the independent minds of the future.

First with employers

You'll have excellent job prospects with us – an annual review of the graduate market in 2012 named us the most targeted university in the UK by Britain's best-known and most successful employers. Our Careers Service runs multiple events and programmes developed with working links with more than 4,000 graduate recruiters, from major multinationals to small and medium-sized enterprises.

Our worldwide community of 240,000 graduates can be found holding top positions in every imaginable field, including: Winnie Cheung, Chief Executive of Hong Kong Institute of Certified Public Accountants; Ian King, Business and City Editor of The Times; Sir Philip Craven, President of the International Paralympic Society; and Sam Bain and Jesse Armstrong, comedy writers for film and TV.

“ I chose The University of Manchester because of its high standards, high level of education and because it is one of the best universities not only in the UK, but also in the world.

Agate Stranka

BSc Biomedical Materials Science with Industrial Experience **”**

Fame on the global stage

Since 2005, the University has risen in the influential Academic Ranking of World Universities (ARWU) survey from 53rd to 38th in the world, and sixth in Europe, confirming us as a progressive and world-class teaching and research institution.

Ambitious for the future

Our mission is to become one of the world's top 25 universities by 2020 and the preferred destination for the best teachers, researchers and students. It's a goal that we're well on the way to achieving, backed by a multimillion-pound investment programme in facilities, staff and buildings.

Distinguished people

More than 5,500 academic and research staff – many leaders in their fields, with international reputations – provide stimulating learning environments and excellent standards of teaching.

You will join a prestigious hall of fame, including 25 Nobel Prize winners among our current and former staff and students. We have more Nobel Laureates on our staff than any other UK university.

Full of opportunity

We offer you much more than a degree, with development opportunities that embrace world-class sports, supported community volunteering, study abroad, leadership and skills-development programmes, mentoring, work experience and internships with employers from every sector, and much more.

Choose The University of Manchester and you will join one of Britain's most forward-thinking universities, which rises in the global ARWU rankings every year – and invites you to discover your own path to future success.

FIND OUT MORE...

www.manchester.ac.uk/aboutus

WHO ARE YOU?

“Manchester is a place for individuals, brilliant kids who like to do their own thing... and if you are ready it will release you to do the same.”

The Virgin Guide
to British Universities

University of Manchester students are a diverse and fascinating bunch, drawn from all corners of the globe, united in their goal to build a better future for themselves via a world-class educational experience of a lifetime.

Those who thrive best learn quickly how to balance the demands of a rigorous education with the attractions of a sociable student city, by enthusiastically making the most of the multitude of resources and opportunities we have to offer.

Before you decide whether or not Manchester is the perfect place for you, consider: what do you want from your university experience?

The Manchester student

You want practical experience as well as academic knowledge on courses designed in close collaboration with industry and informed by world-class research, to make you more employable.

You want to meet the world at the UK's biggest and most diverse university community, mingling with students from 180 countries and making friends for life at a place of learning that prides itself on nurturing responsible global citizens.

You want to take charge of your future, getting involved with careers events and services that introduce you to potential career paths and to prospective employers, so you can find focus, build purpose and learn what you need to do to succeed.

You want to get to know and love our 'original modern' city: a vibrant, exciting and creative place with an enduring energy for progress and change, where actions speak loudly and words are friendly, where individuality is celebrated and tradition is innovation.

You want to develop confidence and independence, try new things and meet challenges head-on, find your voice and form opinions, develop your inner drive and ambition, be inspired and get involved, stand up and be counted.

You don't want your future to happen to you.
You want to make your future happen.

“ Working hard and having ambition are qualities that all the staff and the students at Manchester cultivate and share.

Holly Hunter
MusB Music (2009 graduate)

”

Who comes to Manchester?

What kinds of people come to study and work with us? Why? And what do they gain from being here?

Browse profiles of our students, staff and graduates dotted throughout the course pages of this prospectus – and follow up with the full Q&As online:

Kieran Doyle p61

International Management
with American Business Studies graduate

Shobana Simon Manickam p65

Chemical Engineering
with Industrial Experience student

Stephen Davies p83

Lecturer in Dental Practice
School of Dentistry

Professor Patricia Duncker p97

Professor of Contemporary Writing
School of Arts, Histories and Cultures

Cheryl Petit p125

Biochemistry with Industrial Experience student

Professor Dame Nancy Rothwell p129

President and Vice-Chancellor of the University
Neuroscientist with the Faculty of Life Sciences

Albert Smith p139

Materials Science and Engineering student

Tayaba Nicholson p153

Mental Health Nursing graduate

Professor Konstantin Novoselov p163

Research Associate
School of Physics and Astronomy

Nick Rogers p187

Applied Community and Youth Work student



FIND OUT MORE...

www.manchester.ac.uk

THE MANCHESTER EXPERIENCE

“

Manchester has so much to offer students, and if you get involved you can learn a wide range of skills and really enhance your CV. I have got involved in as many things as possible and it is those extracurricular things that have made my university experience so memorable.

”

Sophie Taylor LLB Law

The world of higher education is changing. To achieve your fullest potential as a graduate, you now need more than a strong academic qualification. That's why at Manchester our student experience is geared towards giving you skills, opportunities and a professional network of colleagues and friends that will set you up for success throughout your life.

We challenge you...

To think critically; to question, reason and analyse; to take the initiative; to interact in groups; to be self-motivated and take charge of your learning; to cultivate advanced written and verbal communication skills; to be proactive, seeking out opportunities beyond the structure of your course for personal and professional development; to adopt integrity and moral values as a responsible citizen of the world.

How do we do this?

Flexible, multidisciplinary courses that you can tailor to your interests and career ambitions.

Eg All our degree courses are divided into units, some of which are optional. The range of optional course units typically increases as you progress, often including units from other Schools or Faculties, or from the Careers Service.

Personalised learning environments that put you at the heart of the learning experience.

Eg Our virtual learning environment, Blackboard, gives you 24/7 access to teaching, learning and assessment materials and activities online, as well as interactive sessions with staff and other students – enabling you to juggle your study and personal life to suit you.

Hundreds of extra-curricular activities to help you develop different skills for a well-rounded CV – and have lots of fun, too.

Eg The UK's biggest Students' Union hosts an incredible choice of student societies for you to join; we have excellent sports clubs, facilities and fitness programmes; you can take part in career development workshops and gain work experience via our Careers Service; and the city itself hosts festivals that you can get involved with, such as the Manchester International Festival and Manchester Literature Festival.

Courses that challenge your preconceptions, expand your horizons and give you a greater understanding of what it means to be a responsible global citizen.

Eg Our Manchester Leadership Programme could form part of your degree, combining community volunteering experience with a taught course exploring topics such as ethical leadership and social responsibility, with inspirational input from employers and community leaders. Our University College scheme also allows you to take interdisciplinary courses to broaden your intellectual and cultural interests.

Teaching that encourages independent critical thinking and analysis, underpinned by world-class research and strong industrial links.

Eg You won't merely be taught how to pass exams, but will be assessed on skills valued by employers, such as how to work as part of a team, make coherent presentations, tackle problems creatively.

Developing confidence and independence takes time – dedicated support on an individual level can help you take control of your learning.

Eg You will have a dedicated academic adviser, who will work in partnership with you to help you achieve your full potential and can offer you advice and assistance if the going gets tough.

Continual monitoring and improvement of your university experience.

Eg Our new Directorate of Student Experience is dedicated to enhancing your experience during your time with us, working in partnership with the Students' Union and other departments to better understand and successfully meet your needs.

The Manchester experience is a challenging one (especially in a city that promises so many exciting distractions!), but if you're ready to seek out and try new things, discover and follow your passions, and ask for help when you need it, we can help you to become one of the world's most independent learners, creative thinkers, proud achievers and ambitious graduates of the future.



FIND OUT MORE...

www.manchester.ac.uk/ug/manchesterexperience



OUR CAMPUS

“ 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

Packed with excellent facilities and situated on the doorstep of Britain's number one student city, the University's friendly campus offers everything you need to get the most from both your studies and your leisure time.

Our cosmopolitan campus welcomes more than 39,000 students from around 180 countries, creating a mini metropolis in which a diverse multicultural community mingles and meets to study and relax together.

An incredible ongoing investment of £650 million in buildings and facilities is creating the optimum contemporary learning and research environment. Iconic Victorian buildings at the heart of campus are now joined by modern lecture theatres, laboratories, studios and computer labs; all complemented by contemporary study facilities and a host of student support services.

Activity-rich environment

World-class sports facilities, one of the UK's largest university libraries and dozens of bars, shops and entertainment venues give you plenty to do outside lectures.

We have our own museum (Manchester Museum) and art gallery (the Whitworth), and an independent theatre (Contact) is also based on campus. University Place, our contemporary flagship building, is now a focal point for major events and houses our visitors' centre, the first point of contact for University guests.

The hub of student life, the Students' Union has its own shops, cafés and bars in the heart of the campus, as well as four live entertainment venues – including the famous Manchester Academy. See *p42*.

Diverse living choices

We offer you a safe and attractive living environment, providing one of the widest choices of university accommodation in the country, with options both on and off campus. See *p24*.

Responsible living

We are constantly adding to the number of our award-winning environmental practices on campus, including comprehensive, cross-campus recycling facilities and the monitoring of energy usage.

All new buildings are constructed to maximum efficiency and sustainability (see the Alan Gilbert Learning Commons below), while campus shops and catering outlets stock plenty of Fairtrade products.

The Alan Gilbert Learning Commons

This, our most recent and exciting development exclusively for students, is a flexible and stimulating space in which you can learn and relax. Opening in 2012, its ultra-modern design includes cutting-edge IT facilities, various flexible learning spaces and a host of student-centred services.

We developed this iconic £25 million building through consultation with our Students' Union, to ensure your needs are paramount. The space has been created specifically to support the learning needs of future generations for students, using technology designed to enrich your university experience and help you reach your fullest potential. You'll be free to use the facilities as you choose: in group study, independent study, or simply quiet time.

The Learning Commons is run by our University Library, with a dedicated team of staff to offer help and support with all facilities. It is open 24/7, so you can use it whenever suits you.

As with all our new developments, the building is designed to the highest standards of sustainability. Energy-efficient measures include lighting that automatically adjusts according to the amount of natural light available and the presence of people in the rooms. Levels of CO₂ are monitored, to minimise energy wastage.

You'll also find a convenient café on the ground floor to fuel your study time.

The building is named after the predecessor to our President and Vice-Chancellor, who sadly passed away in 2010. Professor Alan Gilbert was an inspirational figure determined to make us a more successful and ethical institution, with global ambition and a strong sense of social responsibility towards both our own and the wider communities.

These shared University goals endure today, and we are proud to recognise Alan in a resource dedicated to nurturing the innovative and independent minds of the future.



FIND OUT MORE...

See our campus map *p200*.

www.manchester.ac.uk/library/learningcommons

“

I chose The University of Manchester because it has one of the best RAE rankings and has top class facilities, which is highly encouraging for students.

”

Ali Jahran
Biomedical Materials Science

OUR RESEARCH

Manchester's world-class research

The University of Manchester is recognised at a global level for the quality and volume of our pioneering research.

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

We also emerged as one of the country's top research institutions, ranked third in the UK in terms of "research power".

Many of our academic staff are professional researchers as well as tutors and lecturers, carrying out scholarly or scientific investigation into their specialist subjects and making innovative discoveries that contribute to global knowledge.

Our research also has 'real world' impact: we are at the forefront of the search for solutions to some of the world's most pressing problems, fostering strong links with industry and the public services, and making a real difference through our international research centres, which explore a diverse range of topics.

How does our research benefit you?

In many significant ways. First and foremost, you are taught by staff who are recognised internationally to be at the forefront of their subject – and who can incorporate the very latest thinking and discoveries directly into your course. Research hitting the headlines one day may be in your course content the next.

We have strong collaborative links with industry and public services, which informs our research – and thus ensures that your courses are at the cutting edge of industry needs, as well as academic knowledge.

And we invest significantly in facilities and resources to help further our research – some of which may be available for you to use, too.

The best international teaching and learning institutions are great research institutions. Here, students and staff can mix with, and learn from, many of the best and brightest people in the world, in a rich and exciting intellectual environment.

Ranking	Top 10 universities by research activity judged to be "world-leading" (4*) or "internationally excellent" (3*)	University Research activity at 4* and 3* as measured by number of full-time equivalent (FTE) staff
1	University of Oxford	1,580
2	University of Cambridge	1,452
3	The University of Manchester	1,194
4	University College London	1,179
5	University of Edinburgh	1,029
6	Imperial College London	893
7	University of Nottingham	809
8	University of Leeds	773
9	University of Bristol	736
10	University of Sheffield	728

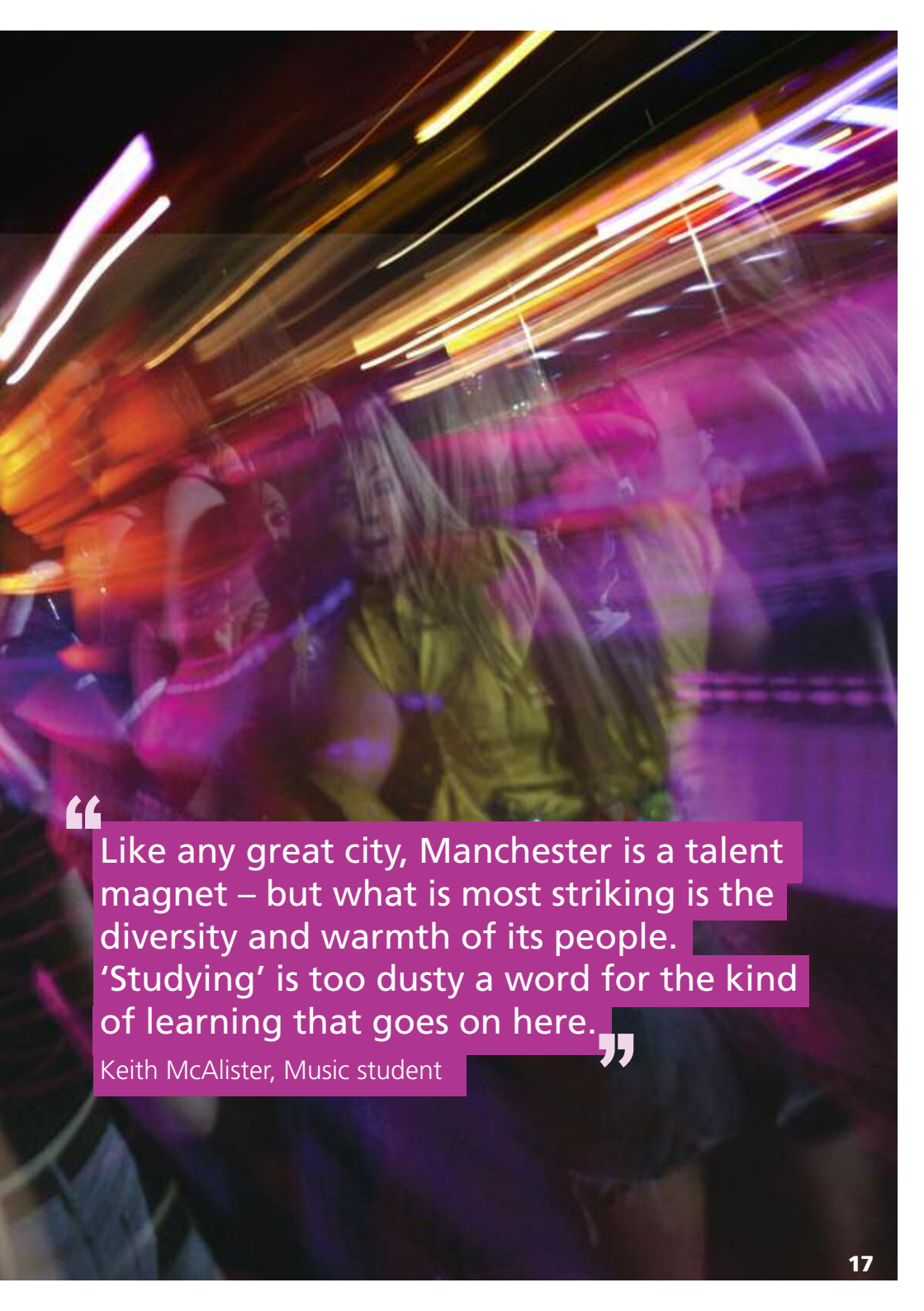
Source: Hefce RAE 2008

FIND OUT MORE...

www.manchester.ac.uk/research

STUDENT LIFE





“

Like any great city, Manchester is a talent magnet – but what is most striking is the diversity and warmth of its people. ‘Studying’ is too dusty a word for the kind of learning that goes on here.

”

Keith McAlister, Music student



MANCHESTER

THE ORIGINAL MODERN CITY

Manchester: a thriving metropolis where the modern was born; where the global Industrial Revolution found its heart and soul; where ground-breaking intellectual discoveries flourished alongside pioneering social movements; where fast-paced immigration brought multiculturalism to urban living.

Manchester is known as the 'original modern' city, thanks to both its heritage and a progressive, can-do attitude, resulting in ideas that challenge convention, actions that change society, and attractions that capture the imagination.

It's hosted world-changing innovations in fields such as atomic theory, theoretical physics and computing.

It's been a driving force for social change in political campaigns for anti-slavery, trade unionism and the vote for women.

It's shaken up the music scene, nurtured cultural creativity and showcased magnificent sporting achievements on an international stage.

And it doesn't rest on its laurels. Manchester always looks to the future, with an enduring energy for progress and change.

Ambitious. Exciting. Friendly. And a lot of fun...

SPEAKING OF MANCHESTER...

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

Sir Edward Abbott Parry,
judge and dramatist (1912)

”

“Manchester's got everything except a beach.

Ian Brown,
lead singer with
The Stone Roses (1989)

”

“

There is never a dull moment in Manchester - it's got to be the best uni city in the UK!

Sandy Jackson, student

”



“ I have really enjoyed the amount of culture and diversity that is available to me in society here, and all of the different opportunities everywhere that are just waiting for me to go and take hold of them... I never like to waste my time and want to make the best of my time in Manchester, and I am glad there are so many opportunities for me here.

Jeffery Rahal, student (2011)

”

“ Anthony Wilson says that for a big City, Manchester is just small enough. It's true. People know each other, collaborate, cross-pollinate. Ideas can mix and match. It's easy to get things moving.

Jim McClellan, journalist (1997)

”

“ Manchester is a vibrant city and, unlike most cities, a lot of the attractions and nightlife are within relative walking distance of the University... When combined with friendly and helpful locals, The University of Manchester has been a pleasure to study at.

Moses Chidowe, student (2011)

”

“ When entering for the first time a town like Manchester, a stranger, overwhelmed by the new and interesting spectacle presented to him, scarcely dares look this giant full in the face at once.

JG Kohl, author (1844)

”

“ Manchester is a great city to be in as a student, because everything I need is so accessible, and I always feel safe.

Catrin Vaughan, student (2011)

”

“ I love living in Manchester because it is so diverse in terms of the food and culture you can get on your doorstep. Manchester also has amazing venues for live music and great shopping.

Emily Hind, student (2011)

”

“ The positives and negatives of life in Manchester power the imagination and creativity of the city. Out of the disharmony of Manchester, England, comes rock and roll.

Dave Haslam, DJ and author (1999)

”



Music

With club nights galore and multiple live music venues varying from huge arenas to intimate bars, Manchester attracts some of the world's biggest names in bands and DJs, as well as plenty of up-and-coming talent. As for home-grown music, you'll know all about Mancunian legends such as The Stone Roses, Oasis and The Smiths; how about So Shush, Cherry Ghost and Twisted Wheel?

Outside gigs and clubs, Manchester is home to fine classical concerts, plenty of musical theatre and opera, various music festivals and the UK's oldest, highly acclaimed orchestra.

Names to note: Manchester Academy • MEN Arena • Manchester Apollo • Night and Day Café • Manchester Roadhouse • Band on the Wall • Parklife Festival • In The City • Manchester Jazz Festival • Bridgewater Hall • Hallé Orchestra • Manchester Camerata • Palace Theatre • Opera North • Royal Northern College of Music

Culture

Manchester's cultural scene showcases some of the best of classic and contemporary artistry, with plenty of acclaimed museums, art galleries and theatres scattered throughout the city. Regular festivals also showcase eclectic performances and original work.

Many venues and events are free; for others, look out for reduced student rates for productions, exhibitions and entrance fees.

Names to note: Manchester Museum • Whitworth Art Gallery • Contact Theatre • John Rylands Library • Cornerhouse • MOSI • Imperial War Museum North • Manchester Art Gallery • Royal Exchange • Palace Theatre • The Lowry • CUBE • Green Room • Islington Mill • Manchester International Festival • Manchester Literature Festival

Fashion

Whether you're a dedicated follower of fashion, or a trendsetter in your own right, Manchester has much to offer you.

Packed with independent avant-garde boutiques, budget-conscious vintage boltholes, prominent high street brands and glamorous designer labels, the city well deserves the title of 'shopping capital of the North West'.

Names to note: Manchester Fashion Network • Affleck's • Trafford Centre • Arndale Centre • Northern Quarter • Market Street • The Avenue • King Street • Barton Arcade • Lowry Outlet Mall • Selfridges • Harvey Nichols • Primark • Fopp • Junk Shop • Togs + Clogs • Me and Yu



Socialising

You'll soon discover Manchester's prodigious nightlife; on arrival at the University, you'll be inundated with club night offers, each vying with the other to conquer the student scene. Finding a place to sit and sup with friends is also easy, from traditional pubs to stylish bars, quirky cafés to juice bars.

A multicultural medley of gastronomic delights is also on the Manchester menu, with cuisine from practically every nation, from Indian to Ethiopian. You'll find a meal for any occasion or budget, from high-class dining to a top-notch takeaway.

Names to note: Fallowfield • Curry Mile • Chinatown • Deansgate Locks • Printworks • Canal Street • Pangaea • Jabez Clegg • Warehouse Project • FAC231 • Sankeys • Kro • Briton's Protecton • Thirsty Scholar • Trof • The Phoenix • Deaf Institute • Manchester Food and Drink Festival • IMEX Cinema

Business

A bustling commercial centre, Manchester works as hard as it plays, where burgeoning entrepreneurs thrive alongside big multinational businesses.

It's the perfect spot to research potential future employers from all sectors, and perhaps secure work experience and insight into possible careers.

Names to note: MediaCity • Greater Manchester Chamber of Commerce • How-Do • Manchester Digital • The Business Desk North West • Downtown Manchester in Business • BBC Manchester • Manchester Law Society • Airport City Manchester • Greater Manchester Public Health Network

Sport

For decades, Manchester has been synonymous with international football (never call it 'soccer' here!), thanks to its world-famous premiership teams. Still, it's not all about 'the beautiful game'; fans of rugby league and union alike will find plenty of teams in the vicinity, while some well-known cricket champions wield their bats just down the road.

Manchester is also home to the GB cycling team, whose facilities are open to public use – and there are plenty of gyms, swimming pools, wellbeing centres, even the world's widest real ski slope, for you to boost your own fitness.

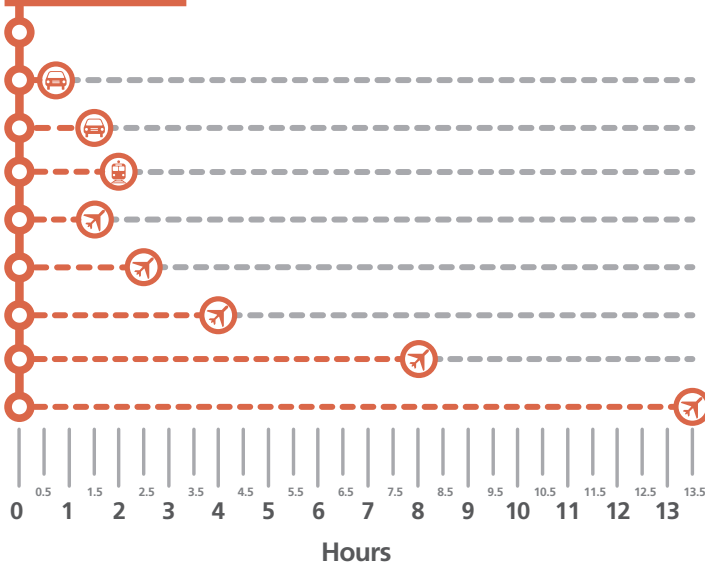
Names to note: Manchester United FC • Manchester City FC • Sale Sharks • Salford Reds • Lancashire County Cricket Club • Manchester Velodrome • National Football Museum • Manchester Aquatics Centre • Chill Factore



ACCESS ALL AREAS

Fancy a change of scene? With a major international airport on your doorstep and excellent road and rail links across the UK, Manchester is the perfect base for adventurous souls.

Manchester



Liverpool/Leeds
(45mins by car)

Lake District
(1.5 hours by car)

London
(2 hours by train)

Paris
(1.5 hours by plane)

Barcelona
(2.5 hours by plane)

Athens
(4 hours by plane)

New York
(8 hours by plane)

Singapore
(13.5 hours by plane)



With all this to offer you and so much more, it's hardly surprising that Manchester is the most popular student city in the UK.

We're proud to be here and, as an institution, we strive to make a positive contribution to the local community by participating in festivals, running public services and events, encouraging staff and student volunteering in community projects, working with regional businesses and organisations, and more.

In other words, we consider ourselves to be an integral, positive and sociable part of this wonderful city.

We hope that you will be, too.

FIND OUT MORE...

Uncovered is the definitive, detailed guide to the city written for students by students, available from our Students' Union when you arrive. You can also browse our website: www.manchester.ac.uk/ug/studentlife

Other Manchester websites*:

- www.visitmanchester.com
- www.timeout.com/manchester
- www.creativetourist.com
- www.manchesterconfidential.co.uk
- www.manchestersfinest.com

Manchester Twitterati*

- @AdmissionsUoM
- @BBCManchester
- @FuseFM
- @creativetourist
- @visit_mcr
- @networkMCR
- @Spinningfields
- @goseethis
- @smc_mcr
- @manchesterchimp

*NB The University of Manchester is not responsible for the content of external websites or Twitter feeds.



ACCOMMODATION

www.manchester.ac.uk/accommodation

MANCHESTER OFFERS YOU...

- Guaranteed offer of University accommodation for all new first-years coming to Manchester alone
- Guaranteed offer of University accommodation for all international (non-EU) students throughout your studies
- Extensive housing choice, from modern self-catering flats to traditional collegiate-style halls of residence

Coming to university for the first time can be daunting enough without worrying about where you might live. That's why we've invested in building and maintaining a huge range of student accommodation options to make sure we can offer you a comforting guarantee...

Our accommodation guarantee

All our first-year undergraduate students will receive an offer of University accommodation, as long as you are coming to university for the first time and by yourself.

To secure this guarantee, you must submit your accommodation application online by 31 August and hold an unconditional offer to study.

When applying, you are asked to nominate your three preferred halls. Most applicants are allocated a room in one of their preferred halls; however, please note that we cannot guarantee to offer one of your preferences.

Sample accommodation fees

Costs vary, depending on facilities, but sample 2011/12 prices are:

- £93 per week for a single self-catering room with shared facilities
- £117 per week for a single room with ensuite facilities
- £125 per week for a single room in a hall of residence with meals provided



Since Manchester is a city university, the halls of residence are only a short distance from the University and the centre of town, so it is very easy to get around.



Claire Burke
BSc Physics and Astronomy



ACCOMMODATION FAQs

What are halls of residence like?

Halls are self-contained communities, some with their own bars, common rooms and social activities. Many of our students recommend them as a great place to make new friends. All halls have single bedrooms with Ethernet connection.

In self-catered halls, you share a living room and/or kitchen with other students in the flat. Some halls offer ensuite facilities, others have shared bathroom facilities.

Where will I live?

Most University halls are based in the following areas:

- **City** – close to the city centre and at the heart of the academic campus
- **Victoria Park** – nearby suburb about ten minutes' walk from the academic campus
- **Fallowfield** – student suburb about a mile from the academic campus

For a map of our accommodation, see p202.

Can I visit University accommodation before I apply?

Yes – applicants are welcome to visit any of our residences via either private appointment, or by attending our Accommodation Office Open House event in March.



“ From traditional and modern halls of residence, to smart, modern flats, through to small suburban Victorian houses, there’s something to suit all domestic tastes.

”
The Push Guide to
Which University

www.manchester.ac.uk/accommodation



What if I'm bringing my family?

Limited University accommodation is available for students with partners and families – contact us to find out more.

Do you have provision for special needs?

Yes – simply contact our Accommodation Office as soon as possible for help with any special needs that may affect your required living arrangements, such as a disability or medical condition, or particular dietary requirements.

What if I don't want to live in halls?

Contact Manchester Student Homes: the best source of information on privately rented student accommodation in Manchester. See 'find out more'.



FIND OUT MORE...

For more on University accommodation, including:

- Full terms of accommodation guarantee
- How and when to apply
- Meeting your specialist requirements
- Visiting our residences
- Details on individual halls

www.manchester.ac.uk/accommodation

t +44 (0)161 275 2888

accommodation@manchester.ac.uk

For more on private accommodation, including:

- Housing advice
- Private student properties
- University-leased houses
- MSH Code of Standards

www.manchesterstudenthomes.com

t +44 (0)161 275 7680

manchesterstudenthomes@manchester.ac.uk



SUPPORT

<http://my.manchester.ac.uk/guest>

MANCHESTER OFFERS YOU...

- Wealth of specialist support services to help you to look after your general wellbeing and to keep you on track academically
- Wide range of experienced and sympathetic people, support groups and advice to help you find a solution to any difficulty – financial, personal, academic, or administrative

We're proud to be the UK's biggest, most diverse university – but we also want to ensure that every individual member of our community can access whatever assistance they need to successfully tackle any personal or academic issue they may have. That's why we run a wide range of services dedicated to supporting you, our students.

General admin support

Our Student Services Centre (SSC) is a single point of contact for your administrative dealings with us, including questions or difficulties relating to tuition fees, immigration advice, loans, student cards, scholarships and awards, examinations, or graduation arrangements. You can call in and speak to staff at the Centre next to the University Library, or in the Joule Library in the Sackville Street Building; or contact them by telephone or email.

Financial advice

Should you encounter any financial difficulties, we advise you not to delay – make sure you seek guidance and support before things get out of control. We can offer you advice at the SSC (above), or at:

- Students' Union Advice Centre
- Student Guidance Service



Everyone – no matter if they're lecturers, or people that are here to help you, or just students – everyone is so nice. It's daunting, coming to a big city and a new university, but everyone's there to help you, and you feel just so welcome.



Lauren Meadows
BA Social Sciences



Personal counselling

- **University Counselling Service** – Free, confidential help from trained counsellors with any personal problems affecting your work or wellbeing
- **Nightline** – A listening and information telephone service run by students for students, which provides a reassuring point of contact through the night
- **Residential pastoral care team** – For help and support in University-managed accommodation, including emergency duty cover at night and weekends

Healthcare

You'll need to register with a local doctor for your main healthcare. There are several doctors' and dental practices in the vicinity:

- Lists of doctors are available from our Student Occupational Health Service, our Students' Union Advice Centre, local post offices, or online at www.nhs.uk
- Our University Dental Hospital on campus offers emergency dental treatment
- Our Student Occupational Health Service provides occupational services in relation to health concerns that may impact on your academic studies

Childcare

If you have family responsibilities, we have nursery facilities conveniently close to campus. Places for children aged between six months and five years are available year-round on weekdays, from 8.30am to 5.30pm. Due to high demand for some age groups (particularly those under two-years-old), it may be necessary to operate a waiting list. For more information, call:

- **Dryden Street Nursery**
+44 (0)161 272 7121
- **Echoes Nursery**
+44 (0)161 200 4979
- **Student Guidance Service**
+44 (0)161 275 3033
- **Students' Union**
+44 (0)161 275 2939

www.manchester.ac.uk/ug/studentlife/studentssupport/studentswithchildren

“

Manchester has little of the crowded loneliness or impersonality of London and its sons and daughters are by and large a proud and friendly people – traits which rub off on its students.

”

The Push Guide to Which University



Religion

Our students come from all cultures and religious beliefs. Manchester is a cosmopolitan city with many places of worship for most faiths and religions, including many on, or near, our campus.

Some areas on campus are reserved for quiet prayer and reflection, including dedicated Muslim prayer facilities available throughout the day.

Student societies for many major religions are also based in our Students' Union.

Several chaplains of different faiths are available if you want to talk through problems, explore issues of faith, or find information on local faith communities. They operate from the following chaplaincy centres:

- **St Peter's House** for the Anglican, Baptist, Methodist and United Reformed Church denominations: t +44 (0)161 275 2894
- **Avila House** for the Roman Catholic Chaplaincy: t +44 (0)161 273 1456
- **Hillel House** for the Jewish Chaplaincy: t +44 (0)161 226 1139

If you're leaving care

If you're a 'care leaver', there may be ways in which we can assist you through both your application process and while you are studying, to ensure that you have access to appropriate support. To explore this, contact us at any time in complete confidence:

t +44 (0)161 275 3033.

Our commitment to fairness for all

We are committed to providing you with a positive working and learning environment, free from discrimination, harassment, or victimisation. You can seek confidential advice and guidance on any equality and diversity related issue from our Equality and Diversity team.



SUPPORT FAQS

What if I have a problem with my course?

Start by approaching staff in your School or Faculty for help. You can also make an appointment to see one of the specially trained staff in the Student Guidance Service, for unbiased and confidential information to help you make informed decisions:
t +44 (0)161 275 3033

What if I'd rather talk to fellow students?

Our Students' Union provides its own information and advice services, which complement those provided by the University. The Students' Union Advice Centre has literature on a wide range of issues. It is staffed by professional advisers and specially trained student officers with expertise in welfare, academic matters and the particular needs of different student groups.

How can I stay safe in the city?

Safety and security are issues in all big cities. Our University gives practical advice on the many simple precautions you can adopt to take care of yourself and your possessions. We also have:

- Our own security service and closed circuit TV on campus, which makes the campus and University residences scenes of little crime
- Excellent relationships with Greater Manchester Police on matters of safety and security

What support do you offer for different disabilities?

If you have additional needs arising from a medical condition, a physical or sensory disability, a specific learning difficulty such as dyslexia, or a mental health problem that affects your study, our Disability Support Office (DSO) can offer support.

If you think you need DSO services, we encourage you to make this known at the time of your application. You may contact or visit our DSO at anytime to discuss your support needs. You can choose to what extent you want any details relating to your support needs to be disclosed, or to remain confidential.

See p195 for more information on disability support.



FIND OUT MORE...

<http://my.manchester.ac.uk/guest>



LIBRARY AND IT

www.manchester.ac.uk/library
www.manchester.ac.uk/itservices

MANCHESTER OFFERS YOU...

- Extensive learning and research facilities that few universities can match
- Long history of excellence in our library and computing provision
- One of the largest and best-resourced university libraries in the UK, with more than four million books
- Electronic library resources unrivalled by any other UK university
- Dedicated IT provision that is constantly growing and being updated to satisfy the rigorous demands of the most computer literate of students

With continuous investment in a main university library that is one of the biggest in the UK, several specialist libraries and extensive cross-campus IT facilities, we ensure that a wealth of resources is available to help you study successfully.

Extensive main library

Alongside traditional library facilities and services, our Main Library also provides:

- State-of-the-art group study areas
- 24-hour opening during exam periods
- Library lounge and other social spaces
- In-house thesis binding
- Document supply
- Self-service facilities
- Wifi internet access throughout



The University Library is simply amazing. It can seem quite daunting on your first day, because of the vast collection of books. But soon you find your way and start to really love it!

Oliver Rieche
BA Law with Politics



Dedicated specialist libraries

Several smaller specialist libraries offer both subject-specific and tailored services. These include:

- Joule Library at the north end of campus – including a flexible study environment with comfy lounge seating, individual study spaces and a group-study room
- Eddie Davies Library and Precinct Library in Manchester Business School
- The John Rylands Library, in the city centre – a magnificent neo-gothic building that houses one of the world's finest collections of rare books and manuscripts, and is also a thriving visitor attraction, with exhibitions and events taking place throughout the year

Accessible IT facilities

When you become a Manchester student, we give you an IT account that lets you access our main computing services.

Outlook Live is the email system for most of our students. It is easy to access and will give you 10GB of storage space, a calendar for managing your schedule, instant messaging and mobile phone compatibility. You will also have access to 25GB of online storage called SkyDrive, which you can access from anywhere on the internet.

Internet service

Hornet is the internet service available in nearly all of our halls of residence, giving you access to the University's online learning environment, the Library, your personal email and files, and the internet – all from your room.

There is also extensive Wifi coverage across our campus, allowing you to use your own laptop or mobile device on our high-speed network and connect to the internet quickly.



“When you need IT support, the Service Desk staff are quick to respond and very helpful.”

Amy Spencer
BNurs Nursing

Innovative online learning

The University provides an advanced virtual learning environment called Blackboard that gives students access to course materials, self-assessment exercises, online assignment submission facilities and interactive learning activities online, as well as the opportunity to have interactive discussions with teaching staff and other students.

With access to resources 24/7 – including via any mobile device – Blackboard complements your face-to-face teaching and is a hugely popular, flexible tool for busy students.



STUDY ABROAD

www.manchester.ac.uk/ug/studyabroad

MANCHESTER OFFERS YOU...

- Strength in the quality and calibre of our partner universities, including some of the top universities in the world – with no additional tuition fees
- Focus on the quality of student experience and support abroad – we work closely with our partners to ensure you have a safe and rewarding experience
- A dedicated Study Abroad Unit to help you research your options and organise your period of study abroad

Our Study Abroad programme at the University offers you the exciting opportunity to experience life in a different country as part of your degree – and you don't have to study a language to take part.

Students who opt into this programme regularly tell us that studying abroad has been the highlight of their degree, from both a personal and a professional perspective. You could broaden your horizons, experience different cultures and climates, learn or improve upon another language – and you will stand out from the crowd when you graduate.

STUDY ABROAD FAQs

Does my degree include the option to study abroad?

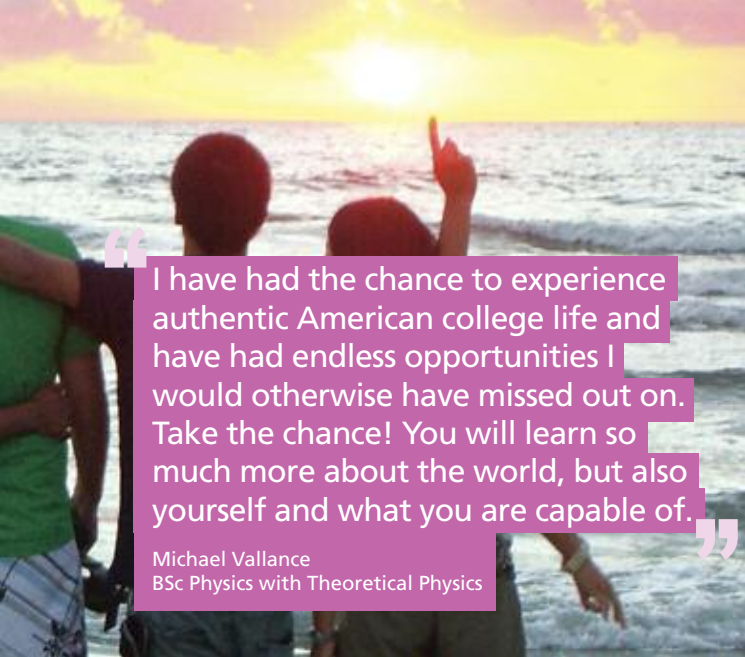
Where and when you can study abroad depends on the degree you choose:

- Some degrees (especially those with a language) include a year abroad; these are generally four-year courses
- Many other degrees allow you to opt to study abroad for one semester, usually in Year 2 (this option allows you to graduate within the usual three years). Look out for the symbol below on the course pages in this prospectus

PLEASE NOTE:

Subject areas marked with this symbol in this prospectus offer opportunities for study abroad





“ I have had the chance to experience authentic American college life and have had endless opportunities I would otherwise have missed out on. Take the chance! You will learn so much more about the world, but also yourself and what you are capable of. ”

Michael Vallance
BSc Physics with Theoretical Physics



Is it expensive?

- You will not pay additional tuition fees to the partner university and are still entitled to your student loan while abroad
- If participating in an Erasmus exchange to Europe, you normally receive an Erasmus grant (around €200 per month) to help cover additional costs
- If participating in a Worldwide Exchange, you need to budget for flights, visas and health insurance, as well as day-to-day living expenses

Do I need foreign language skills?

Not necessarily: many of our Scandinavian, Dutch and German partners teach in English, as well as those in North America, New Zealand, Australia, Hong Kong and Singapore.

Of course, if you already have some knowledge of a foreign language, studying abroad is an excellent opportunity to improve your fluency. Our University Language Centre offers courses for all students, which can help you to brush up your language skills before you go abroad. See: www.manchester.ac.uk/langcent

Where can I go?

We're extending our number of international partnerships each year, which currently includes:

- Around 120 Erasmus universities in Europe
- More than 70 universities worldwide (from Melbourne to Hong Kong)

FIND OUT MORE...

For further details on Study Abroad, including:

- Lists of exchange partners
- Which courses include study abroad
- How much it will cost
- How and when to apply

www.manchester.ac.uk/ug/studyabroad
t +44 (0)161 275 3053
goabroad@manchester.ac.uk



CAREERS

www.manchester.ac.uk/careers

MANCHESTER OFFERS YOU...

- The most targeted UK university by major graduate recruiters
- Access to more than 3,000 employers, who work with our award-winning Careers Service every year to promote career opportunities
- Careers-related help from the day you arrive, including finding part-time jobs and work experience
- Essential advice from trained careers consultants and industry professionals
- Practical skills-development courses and workshops to boost your CV

Many students come to university with no concrete career plan in mind. At Manchester, we offer you unparalleled opportunities to test out your skills and interests and to explore possible careers. Alternatively, if you know exactly what you want to do, we offer excellent support with information and advice on jobs, companies and making successful applications.

Of course, you need to take responsibility for developing your own employability – but be proactive, take full advantage of our diverse careers services, and your university experience really will make a difference to your future.

Part-time jobs

Get money in your pocket and valuable skills that graduate employers want with a part-time job. Our Careers Service advertises hundreds of vacancies each year, including many based on campus and across Manchester.

Career mentoring

A really useful way of meeting and learning from people working in your chosen field.

- **Manchester Gold** – Students who apply to this scheme are matched with mentors in a wide range of sectors, including engineering, the media, finance, education, marketing, retail and science.

Careers events and appointments

- **Career fairs** – These attract more than 600 exhibitors and 20,000 visitors every year, such as business, law, IT, finance, science and engineering
- **Career events** – Hundreds of careers talks, workshops and employer presentations covering diverse careers and skills
- **One-to-one appointments** – Our expert careers professionals can guide you through your options

Our Manchester Graduate Internship Programme (MGIP) grows every year, allowing new graduates to apply for Manchester-based internships in their chosen career sector. Here's what an employer had to say:



Following such an amazing four years at the UoM, I was keen to help give back to the University which had given me so much... The MGIP experience has given the graduates some real-life and hands-on experience... It also helped them start life after university in a positive and constructive way, giving them a platform to launch their career. Graduates have been paid a competitive salary for their position, whilst also being included in our performance-based bonus scheme. We've been really happy with our interns, and as such have offered some of the shining stars jobs after the programme had finished.

Ben Lambert, Programme Coordinator
ABa Quality Monitoring Ltd



Tailored services

Whatever your age, ethnicity, gender, disability, or sexuality, we appreciate that everyone is different and we treat you as individuals. Our staff are trained to help you and we have initiatives supporting careers as diverse as you are, including specialist streams for diverse student groups in Manchester Gold.

Work experience

An internship or placement could help you boost your CV, make contacts and stand out from the crowd. We advertise hundreds of opportunities every year.

Support after graduation

You can continue to use our Careers Service for three years after you graduate.

If you don't have a job lined up, or would like more experience in a relevant career sector, you could also apply to MGIP (see above).

CAREERS FAQs

Can I incorporate careers into my degree?

Yes – we run accredited course units in many academic Schools. These are:

- **Career Management Skills** – Develop skills such as self-promotion, teamwork and commercial awareness – many lectures are delivered by employers, so you can find out exactly what skills they seek
- **Manchester Leadership Programme (MLP)** – Combining a Leadership in Action unit, which addresses the key challenges of the 21st century (eg poverty, energy, business ethics) with approved voluntary work, the MLP is well respected by employers and helps your CV stand out

Can I do anything online?

Our careers website offers you 24/7 access to extensive information and advice, including:

- **Online vacancy mailing service** – Jobs emailed directly to your inbox
- **Careers Facebook group for your degree subject and Twitter** – Ask questions and get careers updates
- **Career blogs** – For the latest careers news and events
- **Live web chats** – Get advice from employers and careers experts

FIND OUT MORE...

www.manchester.ac.uk/careers
www.manchester.ac.uk/mlp
t +44 (0)161 275 2828
careers@manchester.ac.uk



SPORT

www.manchester.ac.uk/sport

MANCHESTER OFFERS YOU...

- More than 40 Athletic Union sports clubs to join
- Consistent top 10 ranking in the British Universities and Colleges Sport League
- Fantastic sports facilities including three fitness suites, 50m swimming pool and lots of indoor courts and outdoor pitches
- Scholarships for performance athletes up to the value of £3,500
- A whole city of sport – including Sport City, home to the Manchester Velodrome, regional tennis centre, national squash centre and regional athletics centre
- Wide range of activities for beginners, including Campus Sport leagues, health and fitness courses, Sport Volunteer Scheme and Hall Sport

Playing sport at university gives you so many fantastic advantages: staying fit and healthy; giving your brain cells valuable down time from study; developing team skills and your competitive spirit; socialising with new people; trying new things and having plenty of fun.

Manchester's numerous clubs, fitness programmes and excellent facilities offer you the perfect chance to compete in your favourite sport – or try something new.

Various organised sports

- **Athletic Union** – More than 40 sport clubs cater for all levels, from beginners to elite athletes; most compete on Wednesday afternoons in the British Universities and Colleges Sport (BUCS) leagues against other universities
- **Campus Sport** – Play recreational sport with friends in a series of leagues designed with the emphasis on having fun and feeling part of campus life
- **Hall Sport** – A free timetable of fun sports for students living in our halls of residence

Sports facilities here at The University of Manchester are fantastic and I would recommend anyone to get involved in sport – it has definitely had an impact on my experience as a student living in Manchester! I look forward to Wednesday afternoon every week when my team play at the Armitage Centre; it is such a great atmosphere and we always have lots of fun.

Polly Enevoldson
Women's Lacrosse



Excellent facilities for all

- **Armitage Sports Centre** – Newly extended, air-conditioned fitness suite with substantial free-weights area; double-sized indoor sports hall; four squash courts; two new floodlit, 3G five-a-side football pitches; two full size floodlit artificial turf pitches; six grass pitches
- **Sugden Sports Centre** – Large air-conditioned fitness suite and free-weights area; six squash courts; two double-sized sports halls; outdoor 3G five-a-side pitch; multi-activity room
- **Manchester Aquatics Centre** – Purpose-built for the 2002 Commonwealth Games, this public facility features two 50-metre swimming pools, diving pool, fun pool, fitness suite, sauna, steam room and spa
- **Wythenshawe sports ground** – 26 full-sized football pitches located about five miles from campus

SPORTS FAQS

I'm not very sporty – what else could I do?

You can keep fit and healthy through our extensive health, fitness and wellbeing programme, with dance classes, boot camp, holistic therapies, campus walks, jogs and more – there's something for everyone, so do join in.

You could also get involved with officiating, volunteering, or events in sport through Campus Sport and our Sports Volunteer Scheme – visit our website for details.

Can I get a sport scholarship?

If you are competing at a regional or national level in your sport, you could be eligible for support and funding through our Sport Manchester Scholarship Scheme. We aim to help you balance a demanding training and competition schedule with the pressures of achieving a high quality degree. Visit our website for details.

FIND OUT MORE...

For further information on University sport, including:

- Sport facilities
- Athletic Union, Campus Sport and Hall Sport
- Sport Volunteer Scheme
- Health, fitness and wellbeing programme
- Sport scholarships

www.manchester.ac.uk/sport
t +44 (0)161 275 4962

STUDENTS' UNION

www.umsu.manchester.ac.uk



MANCHESTER OFFERS YOU...

- UK's largest students' union, organising and funding hundreds of student clubs and societies and campaigns
- Four live music venues, attracting the latest in big name and up-and-coming bands
- Host of advice and support services run by and for students
- Many popular student cafés, bars and shops

Like our city, The University of Manchester Students' Union (known as UMSU) is big, vibrant and cosmopolitan – and still personal and friendly. It's a major part of student life, with so many exciting projects and societies for you to get involved with – and a great opportunity to meet people with shared interests.

What does the Students' Union do?

UMSU creates change and provides opportunities for you. You'll find everything that you need to enjoy your time here to the full, from live bands to welfare advice, bargain-priced stationery to active political campaigning, chess championships to volunteering opportunities.

The Union also plays a crucial role in the running and decision-making of the University itself. Through UMSU, students represent you at every level.

You can find out about everything UMSU does on its website (see 'find out more'), and at a huge Student Fair that runs each year to showcase the Union's work, societies and campaigns, and to give you a taste of activities.

How does it do this?

Led by students at every level, the Union takes the student voice and puts it into action.

Through assemblies based around University, Union and community issues, students lead UMSU work on the things that matter to them, and everyone is welcome to represent, campaign and volunteer.

UMSU seeks to be as diverse and as liberated as possible, so supports student action groups: international, postgraduate and mature, LGBTQ, black and ethnic minority, disabled and women students can come together to ensure their representation and work against discrimination and oppression.

You can come to an assembly, or be a course rep from your first semester. You're welcome to get involved!

“

Don't forget about the Students' Union – as well as being home to the Academies for the world's best gigs, it's got a wealth of resources in terms of developing special interests, or gaining new ones, and there are so many societies to choose from.

Jane McConnell
BA Literature and Linguistics

”



Student media

Brimming with creativity, UMSU media groups are some of the most ambitious in the UK, bringing you the best information, news and entertainment all year round in print, sound and vision.

- **The Mancunion** – Is this the springboard to your journalistic ambitions? Standards are high but beginners are welcome, as its pages are open to everyone: www.mancunion.com
- **Fuse FM** – You can present or produce your own radio show or perhaps join the news, music or events team: www.fusefm.co.uk
- **Fuse TV** – Get involved (on or off camera) with this production crew, who create great content covering events, drama, chat and more: www.fusetv.co.uk

STUDENTS' UNION FAQs

What societies do you run?

Everything imaginable! And if that proves not to be the case, you're welcome to start something new. Whether you're into hiking, or Mah Jong, you're sure to find something that appeals to your interests, or curiosity. All societies are organised within and funded by the Union.

What's the UMSU social scene like?

Diverse and thriving, the Union runs everything from open mic nights to a drama festival and the legendary 'Pangaea', Europe's largest student-run music festival. For live music, the famed Manchester Academy venues are part of UMSU, with the latest talent and big-name artists all year round.

Could UMSU help boost my CV?

Get involved in Union activities and you will be able to show off your skills in project management, event planning, people and entrepreneurship to employers; however, employability is only a part of the reward. Imagine the buzz from helping a child with severe learning difficulties to put on a play through Student Action, or from raising thousands of pounds climbing Kilimanjaro with RAG. Many of our activities can be accredited and added to your achievement record, from running a society to building a strong local community.

FIND OUT MORE...

www.umsu.manchester.ac.uk
twitter: @UMSUnion
[Facebook.com/ManchesterSU](https://www.facebook.com/ManchesterSU)
t +44 (0)161 275 2930



INTERNATIONAL STUDENTS

www.manchester.ac.uk/international

MANCHESTER OFFERS YOU...

- A truly diverse institution, welcoming more than 9,500 international students from around 180 countries worldwide
- Global reputation for excellence, ranked 6th in Europe and 38th in the world
- Record of producing graduates who are highly rated by employers worldwide

University is a perfect opportunity to meet new people, experience a different way of life and view the world from alternative perspectives. In the cosmopolitan city of Manchester, at an institution that welcomes more international students than any other UK university, you'll discover friends and colleagues with stories and influences from all corners of the globe, whatever you study.

Why do so many international students come to Manchester?

Our community of 240,000 graduates from more than 200 countries chose Manchester. Here are some reasons why:

- Ranked 6th in Europe and 38th globally in the influential 2011 Shanghai Jiao Tong University's Academic Ranking of World Universities, confirming us as a leading international teaching and research institution

- Significant breadth and diversity of courses
- Welcoming, multicultural campus environment
- World-class facilities, including one of the UK's largest libraries, 3,200 student PCs, extensive WiFi networking across campus and fully networked halls of residence

Our accommodation guarantee for international students

If you come to Manchester unaccompanied and pay the overseas rate of fees, you are guaranteed a place in University-managed accommodation, with free internet connection, throughout your course. For the full conditions of this guarantee, visit: www.manchester.ac.uk/accommodation

For accommodation details, see p24.



FINANCE

www.manchester.ac.uk/studentfinance

MANCHESTER OFFERS YOU...

- More than one-third of all students who successfully apply to study here will receive bursaries of up to £3,000 per year – and many could receive more
- Flexible system ensures you can choose how to receive The Manchester Bursary – cash, or a discount on fees or accommodation

At Manchester, we are firmly committed to the principle that a high quality university education should be available to all students of proven ability and clear potential, irrespective of their ability to pay. We therefore offer a generous support system, as well as plenty of information and advice on student finance to help you manage your money.

Financial basics for UK students

Thinking about what university study will cost? Remember that you do not have to pay up-front and there is plenty of support out there for all students to meet living costs.

- The government provides tuition fee loans, which you only repay after you leave university and start to earn enough. Monthly repayments are a set percentage of your earnings over £21,000 and are not related to how much you owe in total
- All eligible full-time students can get a maintenance loan to help toward expenses such as accommodation, food and bills
- You might be eligible for a maintenance grant, which does not have to be repaid

In 2012, the University charged a headline fee of £9,000 per annum. Please note that this may rise in line with changes in the government fees cap. For up-to-date information, visit our website.

Fee discounts for year abroad/year in industry

We offer a discounted fee structure for students taking a year abroad / year in industry; some students will pay no fee for this year and no-one will pay more than a fee of £3,000 when participating in a year abroad / year in industry. For details, visit our website.

BURSARIES/SCHOLARSHIPS

The following awards are available for UK (home) students:

The Manchester Bursary

Available to any student studying at Manchester who is registered on an eligible* undergraduate degree course and has a household income below the relevant threshold, as determined by Student Finance. You can choose how to receive this support – as a cash bursary or as a discount on your fees or accommodation bill. This bursary is additional to the government package of maintenance grants.

“The award has made a massive difference to me. Thinking back, if I had gone to another university with no backing, I may very well have dropped out early. It has made me confident knowing that I’ll leave university without putting my mum into debt.”

Jane McConnell
BA Literature and Linguistics



Residual household income	Award	Detail
Up to £25,000	£3,000 in Year 1	£1,000 cash bursary and £2,000 fee or accommodation discount
	£2,500 in subsequent years	£2,500 cash bursary, £2,500 fee discount, or a split between them
£25,001 to £35,000	£1,000 each year	£1,000 cash bursary

**Some students on NHS-funded courses will not be able to access these awards, due to their eligibility for NHS support.*

Foundation Year Bursaries

We offer generous financial support worth up to £5,000 for students enrolling on our foundation ‘Year 0’ courses in Medicine, Dentistry, Pharmacy, Life Sciences, Science and Engineering.

Residual household income	Award	Detail
Up to £25,000	£5,000	£4,000 fee discount and £1,000 cash bursary
£25,001 to £35,000	£3,000	£2,000 fee discount and £1,000 cash bursary

Faculty and School Scholarships

Faculties and Schools in the University may also offer their own scholarships for students on particular degree courses. Details are available in the course descriptions in this prospectus, or on our website.

Opportunity Manchester Scholarships

A £1,000 annual scholarship will be awarded to students meeting either of the following criteria:

- You have successfully applied for a place at the University after completing the Manchester Access Programme (MAP) for local year 12/13 students
- You are under the age of 25 and are or have been in public care for at least three months

FIND OUT MORE...

For further information on financial support, videos, tips and advice, visit: www.manchester.ac.uk/studentfinance

For information on government support: www.direct.gov.uk/studentfinance

OUR COURSES

Entry requirements

Due to the breadth of courses available at Manchester, we are unable to publish the full range of our entry requirements in this prospectus. We have therefore included an indicative range of entry requirements for each broad subject area. Please note that this is an indicative, not an exhaustive list, and does not include all subject-specific, GCSE, or non-academic requirements that may also be required.

English language requirement

You must be proficient in your use of the English language, the medium of instruction and examination in our University. The minimum standard for admission to most courses is GCSE English Language Grade C or above, or an International English Language Testing (IELTS) average score of 6.0. For courses that are more linguistically demanding (eg law, management and medicine) requirements are normally higher.

We recommend that you visit the course pages on our website for full and up-to date entry requirements for all of our courses:

www.manchester.ac.uk/ug/courses





WHY MANCHESTER?

- Excellent relations with professional and business communities in the city, many of whom work closely with us to inform your learning
- Wide variety of courses based in both MBS and the School of Social Sciences, giving you access to diverse complementary subjects for a learning experience that is broad, flexible and up-to-date
- Teaching informed by cutting-edge research that meets international standards of excellence



Find out more...

BSc Accounting and BSc Accounting, Management and Information Systems
www.manchester.ac.uk/mbs-ug-mbs@manchester.ac.uk
t +44 (0)161 306 3425/3401

Facebook:
www.facebook.com/mbsincominugndergraduates

YouTube:
www.youtube.com/manchestermbs

Twitter: @MBSnews

LinkedIn:
www.linkedin.com/company/manchester-business-school

Accounting BA (Econ) 3yrs
UCAS Code N420

Accounting BSc 3/4yrs
UCAS Code N400

Accounting and Economics BA (Econ) 3yrs
UCAS Code NL41

Accounting and Finance BA (Econ) 3yrs
UCAS Code NN43

Accounting, Management and Information Systems BSc 3yrs*
UCAS Code NG45

Economics and Finance BA (Econ) 3yrs
UCAS Code LN13

Finance BA (Econ) 3yrs
UCAS Code N300

See also Business Studies and Management p58, Computer Science p77, Economic and Social Studies p90.

Typical offer

A-level: AAA-AAB
IB: 35

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Find out more...

MBS virtual open days

If you can't make it to one of our undergraduate events on campus, our virtual open day is the next best thing. Find out more about current students' experiences, our courses and campus.

go.mbs.ac.uk/virtualopenday

BA (Economic and Social Studies)

www.manchester.ac.uk/socialsciences
baecon@manchester.ac.uk
t +44 (0)161 275 4470/ 2291/ 1473/ 4748

Accounting and Finance at Manchester has a first-class reputation, taught by staff at the forefront of research in their fields, in a department whose research is recognised as world leading and internationally excellent. Our graduates are highly sought after by world-class employers. Many leading industry firms (including KPMG, Ernst & Young, Deloitte, PricewaterhouseCoopers and Grant Thornton) work closely with us, participating in key events and guest lectures to equip you with the key skills required to excel in today's marketplace.

Your choice of course will depend upon whether you want a professionally oriented course, or prefer to locate your study within a wider social sciences framework.

What you study

Accounting (with optional internship)

Get a fast track to a career in accountancy. Run by Manchester Business School (MBS), this innovative course integrates study of the theory and practice of accounting with the opportunity to gain relevant work experience. It works in collaboration with the ICAEW Undergraduate Partnership Programme, which enables you to undertake a paid internship in Year 3. Current students are completing internships at KPMG, Ernst & Young, Mazars, Grant Thornton and Morgan Stanley. See: www.icaew.com/partnerships

Year 1: Fundamentals of accounting and finance, plus foundation units in quantitative methods, economics and law.

Year 2: Develop analytical skills and gain more in-depth understanding of accounting theory and practice, and related areas.

Internship (optional): Successful applicants for the paid internship spend an academic year working with a firm of professional accountants, or other approved financial organisations. Put theory into practice, further develop all-important transferable skills and get real insight into the profession.

Final year: Consolidate practical skills and theoretical knowledge via a project course unit that incorporates group and individual projects and essays. Gain further specialised knowledge in areas such as taxation and auditing, to develop your knowledge of contemporary accounting issues; broaden understanding of the wider business context; and enjoy substantial exemptions from professional accountancy exams (up to eight ICAEW ACA exams, seven ACCA and eight CIMA).

Find out more online:
www.mbs.ac.uk/ug/accounting

BA (Economic and Social Studies) – specialising in Accounting and/or Finance

Run jointly by the School of Social Sciences and MBS, this course provides you with opportunities to specialise in Accounting, Finance, Accounting and Finance, Accounting and Economics, or Economics and Finance, against a social sciences background. This highly flexible course enables you to change your specialism during Years 1 and 2. Please note that study abroad is available.

Year 1: Accounting, finance, economics, maths/statistics and options from other subject areas, including government, politics and sociology.

Year 2: Study accounting and finance in more depth, with options to take other social science and language course units.

Year 3: Choose specialist areas of accounting and finance from a wide range of options, from auditing, to international finance. An important independent research project brings together your knowledge and skills attained during the entire degree.

Both accounting courses offer you the opportunity to obtain exemptions from professional examinations. The level of exemptions depends on the course and the options you select. *See p90 for more on this degree.*

Accounting, Management and Information Systems (AM AIS)*

Acquire state-of-the-art knowledge and understanding of accountancy, management and information systems, via a course that promotes your intellectual development and life-long learning skills. The combined skills acquired from the three course areas are highly valued by employers, making AM AIS graduates uniquely placed to work in the fast-paced, globalised and competitive environments within which modern organisations must operate. You will develop personal and professional skills working in projects sourced from not-for-profit organisations.

Several course units provide exemptions towards ACCA, CIMA and/or ICAEW professional accounting bodies. The level of exemptions depends on the options you select.

Year 1: Broad study of key areas of accounting, management and IS, to provide a sound foundation for future years.

Years 2 and 3: A breadth and depth of academic knowledge in the three disciplines, plus professional and transferable skills. Options in these areas allow you to focus on topics of your interest

while gaining wider understanding of management and business through a range of IS and non-IS options. In both years, you undertake a project that combines your full range of knowledge and skills with input from employers and other organisations.

Career opportunities

Examples of jobs recent AM AIS graduates have gone onto include: ACA graduate trainee, futures trader, graduate project manager and financial assistant. Employers include Fugics Group, IBM, KPMG, HSBC and Tesco. Graduates have also progressed onto further study in ICT development, chartered accountancy and business.

Find out more online:
www.mbs.ac.uk/ug/amais

**NB At the time of going to press, the BSc in Accounting, Management and Information Systems was under review - please check online before applying to make sure that this course is running in 2013.*



I chose this course because it was different to anything on offer elsewhere. I was really excited by the opportunity to complete an internship with a high-calibre accountancy firm (KPMG, Canary Wharf). It is also set up to fast-track students through the professional accountancy exams.

Andrew Simner
 BSc Accounting



WHY MANCHESTER?

- Long, distinguished history in engineering education and research at the first English university to offer an engineering degree
- Extensive engineering industry links enhancing both undergraduate teaching and ground-breaking research
- Excellent resources for information, computation and experimentation
- Professional accreditation by relevant UK institutions

**Aerospace Engineering
BEng 3yrs**
UCAS Code H400

**Aerospace Engineering
MEng 4yrs**
UCAS Code H402

**Aerospace Engineering with
Management MEng 4yrs**
UCAS Code H4ND

**Aerospace Engineering with
Industrial Experience
MEng 5yrs**
UCAS Code H406

*See also Engineering with an
Integrated Foundation Year, p95.*

Typical offer

A-level: AAA-AAB
IB: 35-37

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

One of the pioneers in engineering education and research, the Mechanics Institute – the forerunner to The University of Manchester – was founded by Sir William Fairbairn in 1824. The term ‘Reynolds Number’ recognises the fundamental work in fluid flow that was undertaken by our first Professor, Osborne Reynolds (appointed in 1868).

All engineering degrees at Manchester have a strong base of engineering science and build a solid foundation of practical design and analysis. Because our staff are actively involved in research, our teaching evolves to reflect state-of-the-art technology, giving you access to expertise in a wide range of engineering disciplines.

The high level of staff contact and our high quality resources ensure you a challenging and rewarding experience of engineering

education. You will have access to excellent student support, including an extensive tutorial system for academic support and pastoral care, student-to-student mentoring, a dedicated undergraduate office, and supportive, well-qualified and cooperative staff.

Your first year establishes a strategic overview of the main areas of aerospace engineering and introduces the underlying science and mathematics, all taught in a challenging and active learning environment. Second and third years develop the key knowledge and understanding necessary to enter industry, or postgraduate study. This incorporates a major design project. The fourth year (for MEng students) provides specialisation in engineering and consolidates practical experience via an advanced aerospace design project.

What you study

Aerospace Engineering (BEng/MEng)

Year 1: Introduces you to aircraft flight, spacecraft flight and aerospace systems, as well as modelling and simulation. You will also gain the basic knowledge and skills that are applicable to all areas of engineering, such as mechanics, heat, fluids, design and mathematics.

Year 2: Starts your detailed education in key areas of aerospace engineering. Course units in aircraft design, aircraft performance, flight dynamics and control systems provide the technical foundations for aerospace project work. Units in aerodynamics, propulsion, structures and dynamics provide the underlying scientific base. You also study further mathematics and numerical methods.



Find out more...

www.manchester.ac.uk/mace
ug-mace@manchester.ac.uk
t +44 (0)161 306 9210

Year 3: Completes the above process by introducing an integrated view of vehicles and systems, with reference to applicable sciences and technologies. Exemplified by the holistic treatment of helicopters, this is also developed through topics in aerospace design, systems, propulsion and structures and aerodynamics. A major design project will develop your appreciation of multidisciplinary technology and your skills in professional communication. You also undertake an individual project this year, which aims to foster your competence in research and development.

Over the three years, all students follow the same course and reach the same level of study. This provides the grounding for careers in industry and for postgraduate study.

Year 4 (MEng students): You develop skills and proficiency in specialist subject areas and undertake a major group design project that consolidates all previous experience and knowledge. This presents a realistic challenge in terms of novelty, creativity and innovation in design and develops a systematic approach to design optimisation. Teams operate a typical development life cycle and the year-long exercise culminates in a major design review with invited observers from industry.

The final year of the MEng is intended to develop the technical skills and self-confidence necessary for leadership in industry and research.

Aerospace Engineering with Management (MEng)

This variant of the MEng course is especially suitable if you would like a career as an engineering project manager. More course units are dedicated to the study of management issues, displacing some of the engineering topics in favour of marketing, strategy and enterprise in Year 3, plus project finance and risk management in Year 4.

Aerospace Engineering with Industrial Experience (MEng)

The mainstream MEng course can be extended with industrial experience. You spend one year in the UK aerospace engineering industry, working on real projects and gaining invaluable experience as a practicing engineer.

Professional accreditation

All of our aerospace engineering Honours degrees are accredited by the relevant professional institutions. This means that your degree will be recognised as providing the educational base for Chartered Engineer (MEng degree) or Incorporated Engineer (BEng degree). For details, see:

www.manchester.ac.uk/mace/undergraduate/accreditation

Career opportunities

You could enter the global aerospace and defence industries, or continue on to postgraduate study. The enormous range of career opportunities reflects the diverse and multidisciplinary nature of the aerospace sector. Excelling in transferable skills such as simulation, problem solving, design, management and modelling, enables graduates to adapt to new challenges and to offer broad insight into engineering solutions.

You can also opt for careers in high technology, or pursue opportunities in business, management and finance.

As a graduate 'with Management', your combination of an engineering education and an awareness of business issues will increase your range of career options to include commercial and project management.

As a graduate 'with Industrial Experience', your engineering education is enhanced by hands-on engineering, giving you additional knowledge and skills that you can sell to an employer.

You have access to the best university careers services in the UK and help is available to you on all aspects of your career.



I have been impressed by the course's customisability and found the 'learn by enquiry' element extremely motivating. Not many universities provide a course so versatile.

Adrian Harwood
MEng Aerospace Engineering with Management





WHY MANCHESTER?

- Diverse, multidisciplinary environment where archaeologists can work alongside anthropologists, visual culture historians and ancient historians
- On-site resources of the Manchester Museum and Whitworth Art Gallery
- Teaching directly informed by contemporary global research
- Extensive training in archaeological fieldwork

Ancient History and Archaeology BA 3yrs
UCAS Code VV14

Archaeology BA 3yrs
UCAS Code V400

Archaeology and Anthropology BA 3 yrs
UCAS Code VL46

Archaeology and Art History BA 3yrs
UCAS Code VV43

Typical offer

A-level: ABB-BBB
IB: 33-32

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Archaeology at Manchester is an exciting and dynamic subject area where staff and students engage in a fascinating journey of discovery, investigating the immense wealth of human cultural diversity and achievement.

In a lively, stimulating environment, our enthusiastic team of academics, with an international reputation for research, provides excellent standards of teaching and learning.

Worldwide research and fieldwork

You will join a friendly community of eleven academics, more than 150 undergraduates and 30 graduate students.

Our teaching is directly informed by our research throughout the world, including Britain, Ireland and western Europe, the Mediterranean, Polynesia, the Near East, Australia and Africa.

Our teaching emphasises both practical fieldwork skills and the intellectual frameworks within which modern archaeology is practiced. Fieldwork is a central component of our discipline, ranging from archaeological digs, to ethnographic research.

Up to one-third of our students progress onto postgraduate courses at Manchester or elsewhere, while many more find employment in careers associated with archaeology.



Find out more...

www.manchester.ac.uk/archaeology
ug-archae@manchester.ac.uk
t +44 (0)161 275 4987

What you study

Archaeology

This course explores archaeology from the Palaeolithic period to the recent past. You combine an understanding of period-based research with aspects of theory and practice.

After obtaining a broad-based understanding of archaeology in Year 1, you can progress on to more specialised areas of interest in Years 2 and 3.

Fieldwork and excavation provide a core element and you are involved in a range of exciting field projects in Britain, Africa, the Aegean, the South Pacific and the Near East.

Ancient History and Archaeology

The joint course combines the study of the ancient Mediterranean empires with a study of the archaeology of Britain, Western Europe, the Greek and Roman worlds and the Near East.

For two years, you study Ancient History and Archaeology in parallel and in Year 3 you may specialise in an area of your interest.

Throughout your degree, you can choose to follow a pathway that emphasises either archaeological fieldwork, or ancient history and languages.

Archaeology and Anthropology

This combination makes a fascinating degree, offering not only a comprehensive knowledge of cultural diversity in the past, but also a sophisticated understanding of the social and material dimensions of human life.

You will develop the range of analytical and practical skills needed to understand and critically assess both past and present materiality and cultural life.

In Years 1 and 2, you study Anthropology and Archaeology in parallel, with more opportunity for specialisation in Year 3.

Archaeology and Art History

This exciting course provides you with a broad and dedicated knowledge of various aspects of the visual and material culture of different regions of the world (eg Europe, Africa, Pacific), from the Paleolithic, to the present day.

After obtaining a broad-based knowledge in both subjects, you may choose to pursue both equally, or specialise in either archaeology or art history.

Career opportunities

The academic and practical skills you learn enable you to pursue a career in many different areas of archaeology, history, museums, galleries and cultural resource management.

All our courses also provide a basic Arts/Humanities degree, which can be employed in a wide variety of careers.



I have excavated a 13th century castle and Iron Age hillfort, and worked on the excavation of the first intact Viking boat burial on mainland Scotland... I particularly enjoy the informal and supportive environment in the Department; it is a real privilege to be taught by such specialists in such a diverse set of fields.

Anne Templeton
BA Archaeology





WHY MANCHESTER?

- One of the largest Schools of Architecture in the UK, established in 1996 via an innovative collaboration between The University of Manchester and Manchester Metropolitan University
- Considerable resources and expertise in teaching and research that cross both institutions
- A degree award from both institutions

Architecture BA 3yrs

UCAS Code K100

Typical offer

A-level: AAA

IB: 36

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

What you study

Architecture education consists of five years of full-time study divided between two degrees. These are the three-year BA (Hons) in Architecture, followed by the two-year Master of Architecture degree, which carry exemption from the Architects Registration Board (ARB) and the Royal Institute of British Architects (RIBA) Part 1 and Part 2 examinations respectively.

On graduation from the BA, you normally undertake a year of professional experience in an architectural office under the direction of the School. This first experience of practice prepares you for your architectural education in BArch.

Year 1: You have the opportunity to develop your architectural creative process through a series of studio design projects and skills workshops. The emphasis is on helping you begin to develop a way of thinking, working and designing as an individual designer with an understanding of human nature and spatial experience.

Year 2: You further develop your design processes and critical thinking skills. Your skills are tested through various projects using your own design solutions. You gain an increased awareness of architecture within both rural and urban contexts.

Year 3: You identify what contemporary architecture means to you. You establish your theoretical position through a variety of projects leading to one major project, where your design initiative and intuition is needed to formulate and communicate your architectural designs.

Career opportunities

Graduates go on to work as architects for leading architectural and design practices. Alternatively, excellent opportunities exist for you to undertake research for further postgraduate degrees.



Find out more...

www.manchester.ac.uk/architecture

www.msa.ac.uk

sed.admissions@manchester.ac.uk

t +44 (0)161 275 6923



WHY MANCHESTER?

- Strong tradition within art history, established at Manchester in the 1930s
- Unusually wide range of study topics, from ancient Greece and Rome, to contemporary installation art, film and photography
- Dedicated resources including special library collections and a campus-based museum and art gallery
- Extensive opportunities at all levels for fieldwork within the UK and overseas

Find out more...

www.manchester.ac.uk/arts/artistoryvisualstudies

ug-artist@manchester.ac.uk
t +44 (0)161 3061251

While the main emphasis of our extraordinarily diverse range of courses is on Europe, there are possibilities for you to study North American, Middle Eastern and Chinese art. Fieldwork is also a central component of our discipline.

Art historians and historians of visual culture work in the same building as colleagues in museum studies and archaeology, with our own subject area library and Visual Resources Centre. The Special Collections of the John Rylands Library are a valuable learning resource and we have very close links with the University's renowned Whitworth Art Gallery and Manchester Museum.

You will be welcomed into a friendly, active community of some 20 academic and support staff, 250 undergraduate and 50 graduate students. High standards of teaching and international levels of research ensure that all students partake of a lively, stimulating academic environment. You'll enjoy excellent support from academic advisers and

History of Art BA 3yrs

UCAS Code V360

See also *Archaeology p54, French p101, German p104, Italian p110, Portuguese p180, Russian p172, Spanish p180.*

Typical offer

A-level: ABB-BBB

IB: 33-32

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

a student peer mentoring system. An active student-led society, the Art Group, organises talks, visits, and social events.

What you study

History of Art

This wide-ranging and in-depth course explores a broad range of areas within art history, architecture and theory, from antiquity to the present day. While the main emphasis is on European art and visual culture, there are plenty of opportunities to study non-Western material. Flexibility and choice are key: as you progress to Years 2 and 3, you can select pathways and course units to suit your individual interests.

Archaeology and Art History

This joint degree with Archaeology provides you with a broad and dedicated knowledge of different aspects of the visual and material culture of different global regions (eg Europe, Africa, Pacific), from the Paleolithic to the present day. After obtaining a broad-based knowledge in both subjects, you may choose to pursue both equally, or specialise in either archaeology or art history.

History of Art and a Modern Language (French, German, Italian, Portuguese, Russian, or Spanish)

These courses give you a firm grounding in both disciplines before

you spend Year 3 abroad, immersing yourself in the language and culture of an appropriate country. In Year 4, you take a combination of course units that reflects the development of your interests throughout your course. You also have access to the well-equipped University Language Centre.

Career opportunities

Manchester has an outstanding careers service and an excellent employment record for our graduates. There are opportunities for you to gain work experience in museums and galleries, or to be involved in projects in University outreach and in widening participation in local schools.

Many graduates work as curators in art galleries and museums, or as writers, teachers, researchers, administrators, journalists and consultants working in areas related to visual culture and the art market. The training and transferable skills you will gain at Manchester will also prepare you for a whole range of careers that are not necessarily closely related to your subject of study.



The History of Art degree provides a wide-ranging basic knowledge of the subject and a chance, later in the course, to focus on specific interests. I enjoyed my three years at Manchester immensely and the techniques, methods and confidence I gained have been invaluable to me in my chosen career.

Andrew Hardman
BA History of Art





WHY MANCHESTER?

- One of Europe's leading centres for business and management studies
- Diverse range of generic, specialist, multidisciplinary and flexible degree options
- Teaching informed by the latest thinking, generated by our highly rated research activities from leading specialists in their fields
- Close links with industry and employers that informs our teaching



Business Studies BA (Econ) 3yrs
UCAS Code N100

Business Studies and Economics BA (Econ) 3yrs
UCAS Code NL11

Business Studies and Politics BA (Econ) 3yrs
UCAS Code NL12

Business Studies and Sociology BA (Econ) 3yrs
UCAS Code NL13

Information Technology Management for Business BSc 3yrs
UCAS Code GN51

Information Technology Management for Business with Industrial Experience BSc 4yrs
UCAS Code GN5C

International Business, Finance and Economics BA 3yrs
UCAS Code N0L0

International Management BSc 4yrs
UCAS Code N247

International Management with American Business Studies BSc 4yrs
UCAS Code N2T7

Management BSc 3yrs
UCAS Code N201

Management (Accounting and Finance) BSc 3yrs
UCAS Code NN24

Management (Human Resources) BSc 3yrs
UCAS Code N600

Management (Innovation, Sustainability and Entrepreneurship) BSc 3yrs
UCAS Code N200

Management (International Business Economics) BSc 3yrs
UCAS Code N246

Management (International Studies) BSc 3yrs
UCAS Code N120

Management (Marketing) BSc 3yrs
UCAS Code N2N5

See also Computing p80, Economic and Social Studies p90 and Modern Languages p149.

Typical offer Business Studies
A-level: AAB
IB: 35

Business and Management run by MBS
A-level: AAB
IB: 35 with 6, 6, 5 in the higher level subjects

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Find out more...

Management, International Management, IMABS, IBFE, ITMB

www.manchester.ac.uk/mbs
ug-mbs@manchester.ac.uk
t +44 (0)161 306 3425/3401

Facebook:
www.facebook.com/mbsincomingundergraduates

YouTube:
www.youtube.com/manchestermbs

Twitter: @MBSnews

LinkedIn:
www.linkedin.com/company/manchester-business-school

Find out more...

MBS virtual open days

If you can't make it to one of our undergraduate events on campus, our virtual open day is the next best thing. Find out more about current students' experiences, our courses and campus.

go.mbs.ac.uk/virtualopenday

Business Studies

www.manchester.ac.uk/socialsciences
baecon@manchester.ac.uk
t +44 (0)161 275 4470/2291/1473/4748

Business and Management at Manchester provides you with a comprehensive, contemporary education that is highly regarded by employers. By the end of your studies, you will be able to carry out independent enquiry in business, management and their underlying disciplines, and demonstrate a wide range of skills highly sought after by employers.

Our management degrees offer you an applied approach to understanding business and management and the context in which they operate. They focus on the study of key disciplines, such as accounting and finance, economics, marketing, operations management, psychology and quantitative methods, and include the possibility of an international focus in your second and final years. All Manchester Business School students also have the opportunity to represent the School at global case competitions in their final year of study. Business studies courses also incorporate this knowledge, but focus on understanding business from a social science perspective, drawing on discipline areas such as economics, politics and sociology.

In Manchester Business School, you can choose from a wide range of three and four-year degree courses, spend a year overseas or in industry, and specialise in particular aspects of business and management. We also offer specialist courses in accounting and finance (see p50).

In the School of Social Sciences, the BA (Econ and Social Studies) is a multidisciplinary degree designed to give you maximum flexibility and choice. Within it, you can specialise in business studies, or combine it with other social science disciplines, such as economics, politics, or sociology (see p90).

The following specific degree courses are run by Manchester Business School:

International Business, Finance and Economics (IBFE)

Interested in contemporary economic events? This course delivers a sophisticated, interdisciplinary academic understanding of international business, providing you with a contextual understanding of globalisation's reach and its social and economic effects, and equipping you with numerical and literacy skills required in today's job market.

IBFE takes an interdisciplinary approach to the study of international business, drawing on academic expertise across Manchester Business School and the School of Social Sciences. You will be encouraged to think critically and independently, and to engage with competing academic and practitioner perspectives on international business issues.

What you study

Year 1: Broad introduction to business, finance and economics, enabling you to make an informed choice of areas to study later. You take course units in accounting and finance, economics, mathematics and statistics, financial and digital innovations in international business and business and management skills.

Year 2: Compulsory course units in finance, managerial economics and business strategy. Optional units in accounting and finance, economics, globalisation, law and modern languages.

Year 3: Compulsory course units in international finance, managerial economics and international business analysis. Optional units in accounting and finance, contexts for international business, economics, law and modern languages.

Career opportunities

If you're interested in a career in banking and finance, IBFE is particularly well suited to you. Examples of positions IBFE graduates have recently secured include: assurance associate, commercial strategist, finance trader and audit trainee, with employers including Barclays Capital, RBS, Zolfo Cooper, Grant Thornton, KPMG and PwC.

IBFE graduates have also developed careers in other corporate and public sector settings, including roles in consulting and general graduate scheme positions. Others have progressed onto law conversion courses and further study in finance, economics, management and international business at institutions across the globe.

Find out more online:
www.mbs.ac.uk/ug/ibfe

Management / Management with a Specialism

The flexible course structure and wide range of options attract many of our students to these degree courses. Since these degrees are almost identical in your first year, transfer between them is straightforward, so you should apply for only one of them.

Management can be studied as a general degree, or as one of a number of specialisms:

- Management (Accounting and Finance) – Ideal if you are interested in how organisations finance their activities and how they keep track of what happens to their money
- Management (Human Resources) – Concentrates on the broad area of human resource management, employment policy and practice, industrial relations, organisational psychology and organisational analysis, at UK and international level
- Management (Innovation, Sustainability and Entrepreneurship) – Ideal if you are interested in exploring the area of strategic innovation management and sustainable development through real company case study analysis, as well as having the opportunity to study entrepreneurship and small business development
- Management (International Business Economics) – Ideal if you are interested in the international dimension of organisations' operations, particularly the economic, financial and investment aspects
- Management (International Studies) – Enables you to study marketing, operations, finance and investment, or human resource management with an international focus
- Management (Marketing) – Enables you to participate in strategic marketing management, or in aspects of marketing such as marketing research, product development, brand management, integrated marketing communications and retailing

What you study

Year 1: As potential future leaders of industry, it is important that you have an understanding of the disciplines underlying management. You therefore take compulsory units in accounting and finance, economics, psychology, sociology, quantitative methods, law and business and management skills. You also have a limited choice of optional units.

Years 2 and 3: Wide range of course unit choices, allowing you to develop and follow your own professional and intellectual interests across all the disciplines relating to management, including accounting and finance, economics, employment studies/law, marketing, operations management, psychology, sociology, information systems and statistics. You have the option of doing a dissertation in your final year.

Management (Specialism) students start to specialise in their chosen area in Year 2 (Accounting and Finance specialists must complete a first year pre-requisite, which is optional for the other specialisms). At least one-third of your Year 2 options and half of your final-year options are chosen from core units in your specialist area, including the option of doing a final-year dissertation in your chosen field.

You complement your specialist studies by selecting your remaining units from the wide range of management discipline areas.

Career opportunities

Examples of jobs recent Management graduates have gone onto include: management trainee, audit graduate, HR graduate analyst and internet consultant, with employers including KPMG, Balfour Beatty, Tesco, Deutsche Bank and Microsoft.

Others have gone onto further study in business, economics, enterprise, languages and branding at institutions across the globe.

Find out more online:

www.mbs.ac.uk/ug/management

International Management/

International Management with American Business Studies

International Management (IM) is a four-year degree, which offers you the opportunity to study (in English) for a year at a university or business school in Europe, South-East Asia, Australia, or New Zealand. We have 28 exchange partners in 16 countries. The International Management with American Business Studies (IMABS) course allows you to spend a year in the USA or Canada. We have 22 diverse exchange partners across eleven US states and four Canadian provinces; most feature in the Financial Times global business school rankings top 100.

The structure of these two international degrees follows largely the structure of the three-year BSc Management course.

“

I'm grateful to have studied at Manchester because it gave me so many opportunities; I don't know if there are many universities where I could have pursued both my academic goals and extracurricular activities as much as I did there. Each year was a completely different adventure. Nothing could have prepared me for the amount of experiences, stories and people I encountered – I definitely left with more than just a degree.

”

Graduating in 2009, Kieran has worked as an Online Media Associate for Google since January 2010, where he helps advertisers to get the most from their investment with Google. His course at Manchester included a year studying abroad at the University of British Columbia (UBC) in Vancouver, which was the highlight of his degree and ultimately helped him to secure his graduate job.

“The reputation of Manchester Business School was a reassuring factor. I had been impressed at the open day I attended and had friends who recommended the school. But the prospect of studying in North America made the course my number one choice – I knew it would be something that would stand out on my CV. It was my time at UBC which sparked my interest in online marketing, which I continued to study in my final year, and ended up being crucial when applying for my current role.”

Learn more about Kieran, including how he became president of the tennis club and discovered a desire to run his own business:

www.manchester.ac.uk/ug/profiles

MANCHESTER
MADE ME...

INCREDIBLY BUSY - IN THE BEST POSSIBLE WAY

Kieran Doyle, 24, from Dublin, Ireland
BSc (Hons) International Management
with American Business Studies

What you study

Year 1: General grounding in the key disciplines underpinning management, including accounting and finance, economics, psychology, sociology, quantitative methods (mathematics), law and business and management skills.

Year 2: IMABS students take a compulsory full-year course unit specialising in American history and culture and the fundamentals of the US political and economic system. IM students analyse the strategy and performance of international businesses through a compulsory course unit in international business strategy. All students then choose from a wide range of options, including human resources, marketing, strategy, information systems, innovation/technology management and course units specialising in international issues.

Year 3: Study of business and management at one of our elite exchange partners. You will be taught in English at the host institution alongside home students. A list of our current partners can be found online:

www.mbs.ac.uk/programmes/undergraduate/international-exchange

or <http://bit.ly/vEsz3d>

Year 4: You return to Manchester and choose from a wide range of specialised international options across all of the key disciplines, including the opportunity to undertake a dissertation.

Career opportunities

Examples of jobs recent IM and IMABS graduates have gone onto include: management trainee, wealth management analyst, territory manager and ACA trainee, with employers including ExxonMobil, HSBC (Beverly Hills), Bombardier (Sweden), Crown Worldwide (San Francisco), Google, Deloitte and Diageo.

Find out more online:
www.mbs.ac.uk/ug/im or
www.mbs.ac.uk/ug/imabs

Information Technology Management for Business (ITMB)

Information Technology Management for Business with Industrial Experience (ITMBIE)

These degrees were designed in collaboration with major employers (eg IBM, Deloitte, Unilever, the BBC) who have identified a need for graduates who understand both business and IT, and have excellent project and team-working skills. Employer involvement is an integral part of the degree, giving you early exposure to real business problems. The uniqueness of the course is recognised by many employers, including British Airways, Microsoft, IBM, BT and Capgemini.

The course focuses on four major skills and knowledge areas necessary for a successful business or consultancy career in IT management – business, technology, personal and interpersonal skills, and project management. Each skill area contributes equally to your learning experience. You learn primarily through team-based project work, which is also supported by business mentors.

What you study

Year 1: Course units in business, management and IT. You co-operate in a team project, based on a real-life business problem, which brings together the various first-year components and provides practice in interpersonal skills.

Years 2 and 3: Enhances your team working, project management, business, management and IT skills. ITMBIE students also take a Year 2 course unit in industrial experience preparation before spending Year 3 in industry, returning to Manchester for their final year. Previous students have completed placements with Fujitsu, IBM, Accenture and Intel, amongst others.

Final year: Specialist material extends, concentrating on advanced topics in technology management and business applications. Half of this year will comprise a choice of options. You also undertake a project linked to the core areas of the degree.

Career opportunities

Graduates have a broad understanding of management, together with knowledge of current and future developments in IT and how these may impact on business. Examples of jobs recent ITMB graduates have gone onto include: technical analyst, social media marketing intern and IT consultant, with employers including Credit Suisse, eBay, E-Resourcing Ltd and IBM.

Find out more online:
www.mbs.ac.uk/ug/itmb

The following degrees are taught by the School of Social Sciences, with input from Manchester Business School:

BA (Econ) Business Studies

Business courses within the BA (Economic and Social Studies) degree include:

- **Business Studies**
- **Business Studies and Economics**
- **Business Studies and Politics**
- **Business Studies and Sociology**

Business is not just about a group of managers making decisions about an organisation. Politics, the economy and other social factors influence businesses and how they compete, both within a country and internationally.

The Business Studies streams within the BA (Econ) degree will help you understand how businesses operate within the broader economic, political and social environment. These are modern, multidisciplinary courses focusing on relevant topics in economics, accounting, finance, politics, sociology, social anthropology and criminology, as well as standard business studies topics such as human resource management, marketing and information technology.

This combination of social science disciplines – unique to the BA (Econ) – will provide you not only with the practical knowledge and skills relevant to a career in business, but also with an understanding of the role and operation of business organisations in relation to the broader economic, political and social environment.

What you study

Year 1: Introduces most of the transferable and intellectual skills (informatics, numeracy and study skills) required as a base for progressing on the Business Studies stream.

Subject-based material relating to different disciplines is also presented: eg economics is essential for understanding business, while mathematics, statistics, computer applications, accounting and finance provide basic building blocks for many course units that follow in later years.

While such topics are useful for analysing business performance, knowledge of politics can also help you understand the political and institutional contexts in which business operates. Contextual understanding of the business environment may be further enhanced by studying one of the qualitative social sciences, such as sociology, since appreciation of the organisational and behavioural dimension of business is essential.

Year 2: Choices abound within the framework of this interdisciplinary stream. You could, for example, pursue statistical or operations research options (extending numeracy), or undertake language course units (further transferable skills). If you are pursuing one of the joint specialisations, options exist to broaden your study in politics, economics and sociology.

Year 3: Delivers a greater number of subject-based options, plus further development of generic skills (interpersonal and team environment) via a compulsory business analysis project.

The flexible structure of the business studies streams mean that many other course units, including those in accounting and/or finance, are also available to you in Years 2 and 3.

Career opportunities

Due to the large number of specialist areas on the BA (Econ), graduates have a wide variety of career opportunities. Graduates specialising in business-related degrees have pursued careers in management, consultancy, the Civil Service, finance, journalism and teaching.



I wanted something which would offer me the best of both worlds in terms of business and IT. ITMB promised lots of real, hands-on projects and was backed by over 50 top employers. This gave me the assurance that I would develop valuable skills which the IT industry really needs, improving my graduate job prospects.

Thomas Simpson,
ITMB graduate (2010)
Now a business and technology consultant at IBM





WHY MANCHESTER?

- Distinguished history in Chemical Engineering at the birthplace of the subject as an academic discipline
- Reputation as a world leader in industrially relevant research and teaching in chemical engineering and related subjects
- A step towards a career in chemical engineering – rated as the third highest paid graduate job in a poll by *The Times*



Find out more...

www.manchester.ac.uk/ceas
ug-chem-eng@manchester.ac.uk
t +44 (0)161 306 9331

Chemical Engineering BEng 3yrs

UCAS Code H800

Chemical Engineering MEng 4yrs

UCAS Code H801

Chemical Engineering (Business Management) MEng 4yrs

UCAS Code HN82

Chemical Engineering with Biotechnology MEng 4yrs

UCAS Code H8C5

Chemical Engineering with Chemistry MEng 4yrs

UCAS Code H8F1

Chemical Engineering with Environmental Technology MEng 4yrs

UCAS Code H8F8

Chemical Engineering with Industrial Experience MEng 4yrs

UCAS Code H803

Chemical Engineering with Study in Europe MEng 4yrs

UCAS Code H810

Chemical Engineering (Energy and Environment) MEng 4yrs

UCAS Code H8F4

Petroleum Engineering BEng 3yrs

UCAS Code H850

See *Earth Sciences p86*

Petroleum Engineering MEng 4yrs

UCAS Code H851

See *Earth Sciences p86*

See also *Aerospace Engineering p52, Chemistry p67, Civil Engineering p72, Petroleum Engineering p86, Electrical and Electronic Engineering p92, Engineering with an Integrated Foundation Year p95, Mechanical Engineering p142.*

Typical offer

A-level: AAA

IB: 37

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Join our friendly School of 45 academic staff and 690 undergraduate students, and you can expect a stimulating environment with high quality teaching. We achieved 22 out of 24 in the teaching quality assessment undertaken by HEFCE, one of the highest scores awarded for chemical engineering in the country. Excellent results in the most recent Research Assessment Exercise also placed us among the elite of chemical engineering departments, while the National Signposts for Employability survey found that leading employers in industry and business would rather recruit our engineering graduates than any others.

Our long tradition of innovation and excellence is unrivalled: this is the birthplace of the discipline of chemical engineering where, in 1887, George E Davis first delivered a series of lectures on the subject and published the first ever chemical engineering book, *Handbook of Chemical Engineering* in 1901.

What you study

All Chemical Engineering courses

Chemical engineering concerns the science, technology and management involved in making the materials and products needed by our society. Whichever course you choose, you study a range of core materials incorporating the fundamentals of chemical engineering, as well as supporting mathematics and science.

The technical aspects revolve around managing the behaviour of materials and chemical reactions – predicting and manipulating compositions, flows, temperatures and pressures of solids, liquids and gases. You learn about chemical, physical and biological processes using

Shobana Simon Manickam, 21,
from Kuala Lumpur, Malaysia
MEng Chemical Engineering with
Industrial Experience

“

Being in Manchester is a growing-up experience for me. The youngest in my family, I led a sheltered life back in Malaysia. However, living alone has taught me to be independent and self-reliant. Furthermore, we have a lot of team projects on my course, dealing with different people and opinions. You need the courage to give your opinion, although it might differ from what ten other people think. You have to be frank and outspoken, but diplomatic. It's preparing me for the future – that's how it will be when I get a job.

”

At school in Malaysia, Shobana enjoyed both art and maths and assumed she would become a designer, before discovering she could combine both her loves via the creative processes of chemical engineering. She secured sponsorship from Shell, which saw her through A-levels in Kuala Lumpur and is funding her degree course in Manchester.

“Manchester is the best place to study chemical engineering, because the University caters for students from all walks of life. Awesome lecturers, modern labs, helpful EBL sessions and PASS sessions help to mould every potential chemical engineer to the best he or she can be in the future. Besides that, it is truly inspiring to be studying in the birthplace of chemical engineering itself.”

Find out why Shobana preferred Manchester to Oxford and Cambridge, recommends living in halls, and likes her tutor's honesty:
www.manchester.ac.uk/ug/profiles

MANCHESTER
MADE ME...

A CONFIDENT TEAM-WORKER

mathematical equations, as well as about the equipment and techniques used for large-scale manufacturing and the safety issues surrounding the industry. If you choose to study for a MEng degree, you study further options in your chosen specialism, as well as core chemical engineering.

Our courses are very flexible; you can find out what interests you and what you are best at before you choose your specialist subjects.

Chemical Engineering MEng

Study advanced chemical engineering options, to give you a deeper understanding of fundamental chemical engineering subjects.

Chemical Engineering with Biotechnology

Consider the science of living organisms and systems and how they are translated into economic and safe products and processes. These include the manufacture of medicines, the use of genetic processing, treating industrial and human waste and finding ways of using renewable resources.

Chemical Engineering with Chemistry

Find out how the skills of the chemical engineer and the chemist are brought together to design and manufacture products as wide ranging as petrochemicals, pharmaceutical tablets, inkjet printing modules, deodorant sticks and chocolate. You will gain an understanding of processes from the molecular level up to industrial scale.

Chemical Engineering with Environmental Technology

Explore how chemical engineers make a difference to the environment by reducing waste, creating more efficient manufacturing processes and using clean technology.

Chemical Engineering with Industrial Experience

You spend Year 3 in industry. Your placement will vary depending on the company you are with. We have excellent industry contacts and will give you a lot of help finding a placement. Students have been placed in companies such as: AstraZeneca, British Sugar, BP, ICI Paint, Chevron Texaco, Kraft Foods, Schlumberger, Dupont, Syngenta, BNFL and Exxon Mobil.

You work on a project and learn about safety, health and environmental issues in industry and achieving targets and objectives. You enhance and extend your knowledge of chemical engineering and your skills relating to project work, design and industrial applications.

Chemical Engineering (Business Management)

Many chemical engineers progress to senior management positions in process companies. Study subjects such as business economics, marketing, financial management, strategic planning, project management and quality management to get a head start.

Chemical Engineering with Study in Europe

You have language tuition in French, German, or Spanish during Year 2. This includes spoken language, grammar and some technical vocabulary. During your year abroad, in France, Germany, or Spain, you attend lectures and tutorials, participate in group work, write reports and take examinations in the local language.

Chemical Engineering (Energy and Environment)

A major challenge to society and to future chemical engineers is how to produce and use energy in ways that are sustainable, economical and environmentally friendly. This

pathway allows you to take specialist units related to energy such as Energy Systems, Wastewater Engineering Technology and Utility Systems, Distributed and Renewable Energy Systems and the Nuclear Fuel Cycle. You will graduate both with a solid background in core Chemical Engineering and with additional expertise in a topic of major significance in the 21st century.

Career opportunities

You could pursue a career in industry as a design engineer, consultant, or manager; or you could choose to undertake research and development of new products and processes. Fields open to you are as diverse as food and drink, chemicals, oil, gas and petrochemicals, pharmaceuticals, toiletries, energy generation and disposal of waste.

You can also consider careers in non-chemical engineering sectors, such as business, finance, marketing, banking, insurance and IT. Many graduates progress into senior management.

If you follow a MEng course, your specialism can help determine your career. Specialists in biotechnology are particularly sought after in the fields of healthcare, nutrition and pharmaceuticals. Graduates with knowledge of chemistry, as well as chemical engineering, often follow careers in product development, while specialists in environmental technology are in demand to solve pollution problems and develop industrial processes that are less harmful to the environment.

Business management specialists are well placed for management roles within the chemical engineering sector, and also for careers in finance, consulting and marketing.

Chemical engineers with a European language have an advantage in career opportunities all over the world.



WHY MANCHESTER?

- External links with industry and internal multidisciplinary links that inform and improve our undergraduate courses
- Internationally renowned research covering the full spectrum of chemical activity, ensuring taught courses based on the latest knowledge
- Wide portfolio of degrees including options such as year-long industrial placements in Europe or North America



Find out more...

www.manchester.ac.uk/chemistry
ug-chem@manchester.ac.uk
 t +44 (0)161 306 9271

Chemistry BSc 3yrs

UCAS Code F100

Chemistry MChem 4yrs

UCAS Code F109

Chemistry with Forensic and Analytical Chemistry MChem 4yrs

UCAS Code F1F4

Chemistry with Industrial Experience MChem 4yrs

UCAS Code F101

Chemistry with Medicinal Chemistry BSc 3yrs

UCAS Code F150

Chemistry with Medicinal Chemistry MChem 4yrs

UCAS Code F152

Chemistry with Study in Europe MChem 4yrs

UCAS Code F102

Chemistry with Study in North America MChem 4yrs

UCAS Code F103

Typical offer

A-level: AAB - ABB

IB: 35 - 33

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

Chemistry is a broad and exciting science that underpins one of the largest industrial sectors in the UK. The School of Chemistry at Manchester is continuing its long and illustrious contribution to the subject, and we are currently one of the largest and best in the UK, with more than 60 members of academic staff, 710 undergraduate students, 220 postgraduates and 140 postdoctoral research staff.

Our great strengths in teaching and research include: comprehensive academic coverage; excellence in all the core sub-disciplines of chemistry; outstanding facilities; and a range of collaborations with Life Sciences, and with other physical and applied sciences.

We scored 95% in the 2011 National Student Survey results – putting us in the top three Russell-group chemistry departments for student satisfaction. The last Research Assessment Exercise placed us in the top four for research power (with Oxford, Cambridge and Bristol) and the most recent HESA 2009/10 figures for research income show Cambridge, Oxford, Imperial and Manchester as the top earners.

We also have an impressive international standing. The 2011 Shanghai Jiao Tong listings place Manchester as the top UK university outside 'Oxbridge' and the capital. Similarly, the 2011 Times Higher Education World Rankings names Manchester the top English university outside 'Oxbridge' or London.

We offer you MChem courses that combine chemistry with other areas, such as forensic and analytical science, medicinal chemistry, industrial experience and study abroad. We also have BSc courses in chemistry and medicinal chemistry.

As a major research university, we expose you to the very latest developments in the field. All our staff teach as well as research, so you are taught by experts in the field, and we offer a wide range of undergraduate research projects that reflect the diversity of our research. Everything from enzymatic reactions to single molecule magnets, from plasma clean-up of diesel exhaust to fabrication of nano particles, from analysing the complex chemistry of living systems to synthesising natural products, takes place at Manchester.

Extensive links with industry and facilities include: the Knowledge Centre for Materials Chemistry; the Centre for Microporous Materials; the Centre for Radiochemistry Research; the Organic Materials Innovation Centre, the Dalton Nuclear Institute and the National Service for EPR Spectroscopy.



What you study

You have the choice of a three or four-year course, leading to a BSc or MChem degree. Years 1 and 2 follow a core structure; Years 3 and 4 allow greater flexibility. Core topics include thermodynamics, kinetics, quantum chemistry, organic reaction mechanisms, natural product chemistry, stereo chemistry and heterocyclic chemistry, structure and bonding, s, p, d and f block chemistry, interfaces, materials and biological chemistry. You also attend course units covering a range of presentational, quantitative, computer and IT skills. Finally, there is time for you to study subsidiary course units in other subjects.

Eligibility for continuation on the MChem course is based on your general performance and your Year 2 mark. If you have not performed to a satisfactory standard, you will be transferred to the BSc course.

Chemistry (BSc/MChem)

BSc final year: Core units and advanced chemistry units, plus units available in other subjects. Practical work in Year 3 takes the form of a series of mini-projects.

MChem Year 3: You study chemistry in greater depth and breadth, including both core chemistry and advanced options, and you perform a year-long group project.

MChem Year 4: You carry out an extended individual project associated with one of the research groups. You can tailor this final year towards your own interests by choosing advanced chemistry options and other specialist lectures.

Chemistry with Industrial Experience (MChem)

Years 1, 2 and final: These follow the core MChem course. In Year 2, you also gain help in CV preparation and interview techniques.

Year 3: You undertake a paid placement within the chemical industry. An academic tutor assigned to you will visit you twice during your placement. You also study two core chemistry units by distributed learning, using materials on a CD-ROM and online, and will be expected to write a placement report and give a presentation on your work.

Chemistry with Study in Europe (MChem)

Year 1 and 2: These follow the core structure. You also study your chosen language throughout.

Year 3: You study chemistry in a European university under the Erasmus programme. We link with a range of universities in Spain, Germany, France and Italy; our host universities have been selected on the basis of their track record of academic excellence and support of cultural exchanges. The course director keeps in touch with you and you may be visited. Assessment is by marks from your host university and a report on your placement.

Year 4: You carry out your extended research project and take advanced course units.

Chemistry with Study in North America (MChem)

As above, except that you spend Year 3 studying chemistry in a world-class North American university – and, since you don't need to study a language, you have the full range of options available to MChem Chemistry students. Host institutions have been carefully selected, sharing our own aspirations for academic excellence and continued all-round development of the student. Assessment is by marks from your host university and a report on your placement.

Chemistry with Medicinal Chemistry (BSc/MChem)

This cross-disciplinary course is ideal if you have a strong interest in the biological aspects of chemistry. In addition to core chemistry units, you take course units such as foundation biology, medicinal biochemistry, drug toxicity, medicinal chemistry, rational drug design and chemotherapy, some of which are taught by lecturers from the pharmaceutical industry or from other Schools in the University.

BSc final year: Core chemistry units, advanced chemistry units and units dealing with pharmacy and pharmaceutical sciences, such as chemotherapy and rational drug design. Practical work takes the form of a series of mini-projects.

MChem Year 3: Same taught units as above; however, you also perform a year-long group project on a topic with a medicinal chemistry flavour.

MChem final year: Extended project in organic chemistry in association with one of the School's research groups, plus course units in chemistry and medicinal chemistry, including the production and characterisation of commercially important drugs and advanced cancer chemotherapy.

Chemistry with Forensic and Analytical Chemistry (MChem)

This degree course introduces you to a range of forensic and analytical techniques that complement your studies in core chemistry.

Years 1 and 2: You follow the core chemistry structure essential for your training. Specialist units in forensic/analytical chemistry and selected laboratory classes provide you with a foundation in forensic and analytical work. You also undertake a core unit, Introduction to the English Legal System.

Year 3: You progress forensic/analytical work through advanced laboratory experiments and an advanced lecture unit.

Year 4: Extended project in association with one of the School's research groups, such as instrumentation and analytical science; plus specialist course units in pharmaceuticals, instrumentation and advanced analytical techniques ranging from nuclear magnetic resonance (NMR) and mass spectrometry, through to bio analytical methods.

Career opportunities

Our graduates enter a wide range of careers. You will be numerate, literate, versatile, creative and skilled in problem solving.

Depending on your degree, you may have additional specialist knowledge in analytical, medicinal or forensic chemistry, in business and management or a European language. Those students who spend Year 3 abroad have highly sought-after life skills and proven ability to adapt, attributes which make them highly attractive to future employers.

Around half of our graduates get a first job directly using their chemical knowledge; 25% go onto a further degree; and the remaining 25% opt for diverse careers in such areas as finance, management, computing and IT.



The School of Chemistry has an excellent teaching staff and facilities. It also has links with many companies, which creates a great opportunity for my industrial placement year – during which I will gain not only vital industrial laboratory experience, but also influential references for later in my career.

Victoria Green
MChem Chemistry with
Industrial Experience





WHY MANCHESTER?

- Excellent quality, range and flexibility of degree courses in Chinese
- Teaching by a diverse team of internationally recognised academic specialists in the field
- State-of-the-art resources in the University Library and University Language Centre
- Comprehension, translation, grammar and oral work taught by native Chinese speakers
- One year spent in residence in China

Chinese Studies BA 4yrs

UCAS Code T100

Chinese and Linguistics BA 4yrs

UCAS Code TQ11

Chinese and Screen Studies BA 4yrs

UCAS Code TW16

English Language and Chinese BA 4yrs

UCAS Code QT31

Modern Language and Business and Management (Chinese) BA 4yrs

UCAS Code NT11

Chinese may also be studied at beginners', intermediate or advanced level with French, German, Italian, Japanese, Portuguese, Russian, or Spanish; further details of these courses on p149. See also Linguistics and English Language p132.

Typical offer

A-level: AAA-BBB

IB: 37-31

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

These four-year degree courses give you the opportunity either to build on existing intermediate (ie AS-level pass or equivalent) or advanced (ie strong A-level pass or equivalent) knowledge of the language, or to study it as a beginner.

Our courses draw on expertise across the Schools of Arts, Languages and Cultures; Social Sciences; Environment and Development; and the Manchester Business School – giving you a firm grounding in Chinese language and Chinese cultural studies, as well as in related fields of history, politics, sociology, management and economics.

As you progress, you may draw on the wide range of research expertise in Chinese Studies across the Faculty of Humanities. In this way, you can increasingly tailor your course in keeping with the development of your interests.

What you study

Chinese Studies

This course aims to provide a firm grounding in Chinese and contemporary Chinese culture, society, economy and politics, as well as China's changing relations with the West.

Studying Chinese language throughout, you will develop various linguistic skills: speaking and writing accurately; understanding and analysing audio, visual and written material; using different registers; speaking to a group with confidence; and translating with appropriate sensitivity.



Find out more...

www.manchester.ac.uk/lc

ug.languages@manchester.ac.uk

t +44 (0)161 275 3211

You also choose China-related topics in politics, history, linguistic and cultural studies, cinema, economics, development studies, business and translation studies, drawing on the wide range of research expertise in Chinese studies. You should achieve a good mastery of the Mandarin Chinese language and develop a sound knowledge of Chinese culture, history, society, economy and politics, particularly in the context of China's place in the world at a time of globalisation.

Year 3: Spent at a partner university in the People's Republic of China, or Taiwan.

Chinese and Linguistics

This course combines the study of Chinese language, literature, society and history with the study of linguistics. You may take another foreign language at any appropriate level.

Year 1: Both subjects have equal weighting.

Years 2 and 4: You may choose the relative weighting of your two subjects; up to two-thirds of your time may be spent on one or other of the chosen subjects (subject to certain restrictions for Chinese *ab initio* learners).

Year 3: Can be spent in People's Republic of China, or Taiwan.

English Language and Chinese

In English language, course units in the structure, history and varieties of English are complemented by units in general linguistics and sociolinguistics. In Chinese, the core language units are complemented by units in culture, society, literature, linguistics, history, thought and cinema.

Year 1: You study both subjects equally.

Years 2 and 4: You may study both subjects equally, or devote more weight to either of the main discipline areas (subject to certain restrictions for Chinese *ab initio* learners).

Year 3: Can be spent in People's Republic of China, or Taiwan.

Modern Language and Business and Management (Chinese)

You study business and management in European and global contexts, as well as the Chinese language and culture. Core language course units are complemented by units covering aspects of Chinese culture, society, literature, linguistics, history, migration, thought and cinema. You also study aspects of management, economics, finance, accounting and international relations.

Year 1: You study both subjects equally.

Years 2 and 4: You may study both subjects equally, or devote more weight to either of the main discipline areas (subject to certain restrictions for Chinese *ab initio* learners).

Year 3: Can be spent in People's Republic of China, or Taiwan.

For more information on Modern Languages, see p149.

Chinese and Screen Studies

This course combines the study of Chinese language, literature, cinema, society and history, as offered by Modern Languages, with the study of screen studies.

In Screen Studies, you study core course units in understanding film, its history and pre-history, and its development across other media (eg television, DVD, internet distribution).

Year 1: You study both subjects equally.

Years 2 and 4: You may choose the relative weighting of the two subjects; anything up to two-thirds of your time may be spent on one or other of the chosen subjects (subject to certain restrictions for Chinese *ab initio* learners).

Year 3: Can be spent in People's Republic of China, or Taiwan.



The Chinese course at Manchester Uni has definitely exceeded my expectations. I've been impressed by the speed at which I have managed to acquire the language, particularly as I began the course at beginner's level. It's also been nice to have small, close-knit classes with native-speaking teachers.

Susannah Jones
BA English Language
and Chinese





WHY MANCHESTER?

- Long, distinguished history in engineering education and research at the first English university to offer an engineering degree
- Extensive engineering industry links enhancing both undergraduate teaching and groundbreaking research
- Excellent resources for information, computation and experimentation
- Professional accreditation by relevant UK institutions

Civil Engineering BEng 3yrs
UCAS Code H200

Civil Engineering MEng 4yrs
UCAS Code H201

Civil Engineering (Enterprise) MEng 4yrs
UCAS Code H204

Civil and Structural Engineering MEng 4yrs
UCAS Code H220

Civil Engineering with Study in North America MEng 4yrs
UCAS Code H2T7

Civil Engineering with Industrial Experience MEng 5yrs
UCAS Code H207

See also Engineering with a Foundation Year, p95

Typical offer

A-level: AAA-AAB
IB: 35-37

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

One of the pioneers in engineering education and research, the Mechanics Institute – the forerunner to The University of Manchester – was founded by Sir William Fairbairn in 1824. The term 'Reynolds Number' recognises the fundamental work in fluid flow that was undertaken by our first Professor, Osborne Reynolds (appointed in 1868).

All engineering degrees at Manchester have a strong base of engineering science and build a solid foundation of practical design and analysis. Because our staff are actively involved in research, our teaching evolves to reflect state-of-the-art technology, giving you access to expertise in a wide range of engineering disciplines.

The high level of staff contact and our high quality resources ensure you a challenging and rewarding experience of engineering education. You will have access to excellent student support, including an extensive tutorial system for academic support and pastoral care, student-to-student mentoring, a dedicated undergraduate office and supportive, well-qualified and cooperative staff.

Relevant, up-to-date teaching

All our civil engineering courses fulfill the requirements of the Engineering Council UK and the relevant professional institutions as set out by the Joint Board of Moderators.

Our staff members undertake internationally renowned, fundamental and industrially focused research across a wide range of engineering disciplines; leading-edge research expertise that is embedded in our teaching.



Find out more...

www.manchester.ac.uk/mace
ug-mace@manchester.ac.uk
t +44 (0)161 306 9210

Research interests in civil engineering include: building aerodynamics; commercial management; construction materials science; conservation of structures; contamination studies; engineering systems and design; environmental engineering; fluid dynamics; fire engineering; geotechnics; numerical modelling; project management; risk and variability of materials; stadia dynamics and crowd-loading; and tidal and wind energy.

You undertake one major research project in your third year. MEng students also undertake a group design project with joint supervision from industry. These projects reflect current knowledge and relevant industrial practice.

What you study

All our civil engineering degree courses contain the same core civil engineering subjects. The different MEng courses offer you the opportunity to develop specialised understanding and skills in the area of your interest.

BEng courses

Year 1: A general introduction to civil engineering. You study subjects such as maths, mechanics, computation, construction materials, structures and geotechnics, and engineering design and management

Year 2: You develop a deeper understanding of fundamental civil engineering subjects, such as structural analysis and design, geotechnics, hydraulics and water engineering, construction materials, surveying, civil engineering design and management, plus further studies of maths and computation. You also attend a residential field

course in the Lake District to practice surveying and civil engineering design.

Year 3: Your specialist knowledge and skills are developed further in subjects that include structural analysis and design, geotechnics, hydraulics, construction materials and management. You undertake a year-long individual research project that you choose from a wide range of subjects within the School.

MEng courses

Year 4: You aim to develop your design skills in a realistic environment through a group design project that is jointly supervised by an industrial collaborator. You may follow your specialist interest and select from a range of specialist course units taught by staff members who conduct leading-edge research in their field, so as to prepare you to become a future leader in the field.

Civil Engineering (Enterprise)

Enterprise and business-related course units replace some non-core engineering material in all years, to provide valuable and transferable skills in enterprise and management.

You can become a world-class engineer who understands the fundamental principles underpinning the science of engineering, but who can also apply that knowledge within the broader context of the modern business environment. Knowledge of business and management gives you a greater appreciation of the wider issues in the industry, enhancing your knowledge of the commercial environment and market.

Civil and Structural Engineering

Designed for those wishing to specialise in structural engineering, such as the design and construction of bridges and large buildings.

While emphasising aspects of structural engineering, the core units cover the same subjects as the Civil Engineering degree, thus satisfying academic requirements for entry to the Institution of Civil Engineers and the Institution of Structural Engineers. In Years 3 and 4, you undertake numerically demanding research and design projects relating to a wide range of structures, gaining expertise that can be supplemented by a choice of complementary options.

Civil Engineering with Study in North America

Designed for those wishing to pursue a career in civil engineering with an insight into North American study and practice.

Year 3 is spent at a university in North America (Canada or USA). Years 1 and 2 are in common with the first two years of our other MEng courses. During your year in North America, you continue to follow the core areas of the home MEng courses, along with options relating to North American design and construction practice. On your return, you will join the home Year 4 students on the MEng Civil Engineering.

Civil Engineering with Industrial Experience

Our standard MEng course, plus Year 4 is spent undertaking a structured placement within the UK civil, structural engineering, or construction industry to develop your experience. As well as local supervision, you are supported by the University's network, plus an individual tutor who visits you at your workplace. You work on a range of real civil and structural engineering projects, gaining valuable experience as a practicing engineer.

Transferring courses

Should you wish to transfer courses, you must observe the following conditions:

- Transfer between BEng and MEng is decided at the end of Year 2. At this time, if you are on the BEng but achieve the standard for MEng, you will be invited to transfer to MEng. However, if you are registered MEng but do not meet the requirements at the end of Years 2 or 3, you will be transferred to BEng. Once transferred to BEng, you cannot transfer back to MEng.
- If you are registered on MEng, you can transfer to BEng and graduate at the end of Year 3.
- If you are not registered on MEng Civil Engineering with Study in North America, you may be able to transfer in Year 2 if there is a vacancy.
- You can change between MEng Civil Engineering and MEng Civil and Structural Engineering in Year 4, but you must inform us early on in that year.

- If you are registered on MEng Civil Engineering with Industrial Experience, you can transfer to the other home based MEng courses.

Professional accreditation

All of our Civil Engineering degrees are professionally accredited by the Joint Board of Moderators. For full details, see:

www.manchester.ac.uk/mace/undergraduate/accreditation

Career opportunities

Our degree courses provide the academic basis for a professional career in the planning, design, construction and management of major civil and structural engineering projects.

They also lead to many other opportunities and our graduates are in demand from all sectors of industry, commerce and public service. The skills developed give you the ability to analyse and solve complex problems by a rigorous approach and to communicate the results effectively. Our graduates also find employment in diverse areas, such as computing, law, insurance, production engineering, the oil industry, retail management, environmental work and property development.

As a graduate 'with Industrial Experience' or on an 'Enterprise' course, you emerge with not only a solid engineering training, but also a useful insight into the commercial world, which equips you for a diverse range of careers, including general management and sales, as well as jobs in more technical fields.

You will have access to advice and development opportunities at the best university careers services in the UK, with help available to you on all aspects of your career.



I enjoy my course, as it has the right balance between lectures and lab work. This means that you can apply the knowledge gained from textbooks to the more practical aspects of engineering.

Olena Mykhaylyk
MEng Civil Engineering





WHY MANCHESTER?

- One of the largest concentrations of classics and ancient history experts of any university in the country, and a wide variety of courses
- Exceptional teaching quality, as confirmed by our highest possible rating of 24 in the most recent subject review
- Scholarship of international standing, as represented by our global reputation for research, which keeps course content cutting-edge
- One of the largest library collections of classics-related material in Britain



Find out more...

www.manchester.ac.uk/arts
ug-classics@manchester.ac.uk
t +44 (0)161 275 3107

Ancient History BA 3yrs

UCAS Code V110

Classical Studies BA 3yrs

UCAS Code Q810

Classics BA 3yrs

UCAS Code Q800

Latin and English Literature BA 3yrs

UCAS Code QQ36

Latin and Italian BA 4yrs

UCAS Code QR63

Latin and Linguistics BA 3yrs

UCAS Code QQ61

Latin and Spanish BA 4yrs

UCAS Code QR64

Latin with French BA 4yrs

UCAS Code Q6R1

See also *Ancient History and Archaeology* p54.

Please note that the Single Honours degrees in Greek, Latin and Classics and Ancient History, previously offered, are no longer available as individually named degrees. However, the constituent parts of all of them are available as 'pathways' in the Classics degree.

Typical offer

A-level: AAB - ABB
IB: 35 - 33

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

The civilisations of the ancient Mediterranean continue to be a source of new insights and inspiration to every generation of students, teachers and researchers.

Manchester offers you the opportunity to study this challenging subject by moving through a vast field of enquiry: cultural study, anthropology, language, literature, religion, myth, history, archaeology, philosophy, and much more.

Our degrees aim to cater for a wide range of interests among potential students and make our teaching readily accessible to those who may have had little or no previous opportunity to study classical languages or civilisation.

A great variety of degree courses and individual course units allow you to pursue your particular interests in an atmosphere of enthusiastic questioning and intellectual rigour.

What you study

Single Honours degrees

Classical Studies

The most flexible of our Single Honours courses, offering a broad-based study of the literature, culture and history of the Greek and Roman worlds.

You may take either Greek or Latin (or both) at any level, including beginners' courses, although you can take the degree without studying language. You also take specialist course units, which may include ancient literature, history, religion, philosophy, art and archaeology.

Ancient History

A course for students with a mainly historical interest in the Greek and Roman worlds. You may again take either Greek or Latin (or both) at

any level, including beginners' courses; although, as with Classical Studies, you can take the course without studying language.

Course units in Greek and Roman history form the core of this course, but others from the range listed under Classical Studies can also be studied as background. Units from modern and mediaeval history are also widely available.

Classics

This course is based on the study of Greek and/or Latin language and literature in each of the three years of study. The traditional Classics degree combines both Latin and Greek language and literature, or you can choose to take pathways allowing you to focus on the language and literature of either Latin or Greek.

A further pathway offers you the chance to combine the study of Greek and Latin language, literature and culture with the examination of important aspects of Greek and Roman political, social and intellectual history. You take either Greek or Latin language for three years, and may begin this at university. As well as core course units in ancient history and literature, others from the range outlined under the other subject headings above can be studied as background.

All pathways of the Classics course can be taken by students who have not studied the languages before, as well as those who already have them at AS/A2-level or equivalent.

See more course details and entry requirements online:
www.manchester.ac.uk/ugcourses

Where appropriate, the texts for course units in literature and history are studied in the original language.

Joint Honours degrees

The following Joint Honours courses offer you similar opportunities to study the ancient texts in the original language:

Latin and English Literature is based on the study of Latin language and literature in each of the three years of study. This is pursued in parallel with the full range of English studies (options include Old and Middle English, Renaissance, historical and contemporary English language, and cultural theory).

Latin and Spanish, Latin and Italian, and Latin with French are based on the study of the language, literature and culture of both societies. Each language is studied in all three years. These four-year courses include a year abroad where possible; this includes enrolment on classical courses at a Spanish, Italian, or French university.

Latin and Linguistics is based on the study of Latin language and literature in each of the three years of study, pursued in parallel to analytical and theoretical study of language in general, including the nature of language and models of its structure.

Ancient History and Archaeology offers you the opportunity to combine the study of ancient history and archaeology in more ways than one. You take options in Greek and Roman history, and from the broad range of courses available from Archaeology. The degree offers alternative pathways that give you the choice of learning ancient languages, or developing practical archaeological skills. *For more details on this degree, see Archaeology p54.*

Career opportunities

All our degrees open many doors and close virtually none. A classical degree (especially one including a language element) is highly prized by employers, and we see our graduates take up jobs in the media, the Civil Service, industry, banking, accountancy, retail management and law, as well as teaching.

Many graduates choose to continue their studies by taking a graduate programme at Manchester, or elsewhere.



My favourite aspect of the course so far has been studying in Italy during the summer and experiencing the remains of ancient Rome in person. It really brought the course alive and heightened my interest in the classical world.

Burhannudin Khadbai
BA Classical Studies



WHY MANCHESTER?

- Distinguished history in Computer Science, dating from the birth of the world's first stored-program computer at this University
- Multidisciplinary courses involving major collaborations with Manchester Business School and many Schools in Engineering and Physical Sciences
- Entrepreneurial culture, enabling close relationships with industry
- Knowledge, principles and transferable skills necessary for a career at the forefront of innovation



Find out more...

www.manchester.ac.uk/cs

ug-compsci@manchester.ac.uk

t +44 (0)161 275 6124

f +44 (0)161 275 6236

Artificial Intelligence BSc 3yrs
UCAS Code G700

Artificial Intelligence MEng 4yrs

UCAS Code G702

Artificial Intelligence with Industrial Experience BSc 4yrs
UCAS Code G701

Computer Science BSc 3yrs
UCAS Code G400

Computer Science MEng 4yrs
UCAS Code G401

Computer Science and Mathematics BSc 3yrs
UCAS Code GG14

Computer Science and Mathematics with Industrial Experience BSc 4yrs
UCAS Code GG41

Computer Science with Business and Management BSc 3yrs
UCAS Code G4N2

Computer Science with Business and Management with Industrial Experience BSc 4yrs
UCAS Code GNK1

Computer Science with Industrial Experience BSc 4yrs
UCAS Code G405

Computer Systems Engineering BEng 3yrs
UCAS Code HH66

Computer Systems Engineering MEng 4yrs
UCAS Code GH4P

Computer Systems Engineering with Industrial Experience BEng 4yrs
UCAS Code HHQ6

Computing for Business Applications BSc 3yrs
UCAS Code G510

Computing for Business Applications with Industrial Experience BSc 4yrs
UCAS Code G511

Internet Computing BSc 3yrs
UCAS Code G450

Internet Computing with Industrial Experience
UCAS Code G451

Software Engineering BSc 3yrs
UCAS Code GG6K

Software Engineering MEng 4yrs
UCAS Code GG64

Software Engineering with Industrial Experience BSc 4yrs
UCAS Code G603

Typical offer

A-level: A*AA-AAB (Please note that all courses except for Internet Computing and Computing for Business Applications require A-level Mathematics)
IB: 37-35

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

Computing is transforming our world, changing the way we work and play, and redefining fields of human endeavour as diverse as healthcare, engineering and government. Computer science underpins this revolution, bringing together understanding of the scientific and technological foundations of computing, hardware and software methods, and information and communication technologies.

Manchester saw the birth of the computer and introduced the Computer Science undergraduate degree. Today, we remain at the forefront of the discipline and offer

some of the UK's strongest undergraduate courses. We are also one of the UK's largest computer science schools, giving us strength and depth across the discipline – if it's going on anywhere, it's going on here.

Multidisciplinary courses

Collaborations across the University, an entrepreneurial culture and extensive industry links inform our undergraduate degrees and ensure that what you learn is relevant to applications in the real world – and to a broad spectrum of careers. We have one of the UK's broadest offerings of computer science courses, enabling you to specialise across the discipline. We also aim for maximum flexibility, so you can tailor your course to your interests and career aspirations as your experience of the subject develops.

Our courses are fully accredited by the IET and BCS, giving first steps towards professional registration, and were rated excellent in the most recent teaching assessment exercise (HEFCE).

Student life

Being a student here is also fun – the School provides a friendly and supportive environment for you. We have a thriving student social committee and students are active in many aspects of University life. Our graduates keep in touch with us and have written about their experience on our website:

www.manchester.ac.uk/cs/undergraduate/studentprofiles

Manchester has an international reputation as a world leader in research and teaching across the full breadth of computing, from embedded computer systems to information management, and from computer architecture to e-government.

See *all computing courses: p80*.

What you study

All our courses develop high-level practical and theoretical skills via either a broad range of computer science topics, or more focus in a particular area through a specialist degree or a choice of themes – related collections of course units that together provide key skills in a focused area. You gain knowledge and practical experience of current technologies, and a thorough grounding in the principles of the subject. Upon graduation, you will be well prepared to deal with future developments in this rapidly changing area – either in employment, or in further study.

Almost all of our courses are offered in a number of variants. Our four-year MEng courses fulfil the highest professional requirements and challenge the ablest of students. In your final year, you study specialised topics at an advanced level and broaden your skills and experience with a period in industry, enterprise-related course units, and industry-focused project work.

Our four-year BSc with Industrial Experience courses enable you to spend a full year in industry. Students with industrial experience not only tend to improve their final degree performance, but also enhance their employment prospects. You can also study any of our courses as a three-year BSc.

Courses run in the School

Computer Science

Our most popular, flexible course provides a thorough grounding in the principles and practice of computer science, from hardware design, through software development and maintenance, to a wide range of application areas. To help you choose your course units, they are organised into

'themes' to help focus your studies and project work. Themes let you specialise in areas such as web and distributed systems, computer architecture, visual computing and information systems in business.

Software Engineering

As computer systems become ever larger and more complex, the problems of developing and maintaining them become more significant. This course provides a thorough grounding in the general theory and practice of software development and maintenance, with particular emphasis on the development of large or mission critical systems, and those intended for use in rapidly changing environments. You cover topics relating to the software lifecycle, from finding out what the system is really supposed to do, to the production of a running system using modern tools for supporting parts of this process.

Artificial Intelligence

This course extends the study of general principles and practice of computer systems and software development, with the chance to examine some techniques of AI. These tackle the problems of enabling a computer to interpret the world around it, learn and reason about what it perceives, and communicate with people and other computers about what the world is like and what it wants to do.

Computer Systems Engineering

Sophisticated electronic systems permeate all aspects of life, such as MP3 players, games consoles, mobile phones, vehicle control systems and radar. All of these are embedded systems, which typically contain memory, one or more microprocessors, a communications capability, application-specific

hardware and software. Extensive knowledge and skills are needed to support their development, including digital electronics, software engineering, computer architecture and digital signal processing.

Interdisciplinary courses

Unlike our other courses, these courses do not need A-level Mathematics. They combine relevant computational techniques with complementary material on important application areas, and are taught jointly with business information system and interactive systems specialists from Manchester Business School.

Computing for Business Applications

Modern organisations are heavily dependent on IT systems, ranging from applications such as financial management packages, to sophisticated decision support and knowledge management tools. This course provides you with a thorough grounding in the general principles and practice of software development and maintenance, with particular emphasis on the development and deployment of software systems in organisational settings. It examines the way in which IT systems interact with other parts of an organisation and develops the skills to use this knowledge to design effective software systems.

Internet Computing

The internet has become central to a wide range of commercial, educational and leisure activities. As a result, it is used directly by a diverse collection of individuals and organisations, with different requirements and priorities. This course provides knowledge and understanding of the architecture and design of web-based systems and web development tools. It

also provides skills that underpin the development and evaluation of collaborative and interactive websites in commercial settings.

Joint courses

One of our strengths is the variety of collaborations we have with other Schools in the University.

Computer Science with Business and Management

This course provides you with the opportunity to explore two disciplines. It enables you to build an understanding of the general principles and practice of computer systems and software development, complemented by study in Manchester Business School to develop an understanding of the nature of business and management roles and practices.

Computer Science and Mathematics

This course, offered jointly with the School of Mathematics, gives you a powerful combination of mathematical and computer science skills. In particular, you gain high level practical and theoretical skills over a broad range of computer science topics, and a knowledge and understanding of mathematical ideas, including the concepts of rigorous argument and formal proof. You may explore how the subjects are increasingly used to support each other.

Career opportunities

There are significant employment opportunities in the traditional IT industry, but Manchester Computer Science graduates are increasingly in demand from a very broad range of employers, as they come to depend increasingly on computer-based products, services and ways of working. You could work in virtually all areas of business and society, including

finance, films and games, pharmaceuticals, healthcare, consumer products and public services. Increasingly, employers are seeking graduates with high-level computing skills, and the ability to apply them in innovative ways to solve the problems facing their organisations.

From large multinational firms to small local organisations, employers actively target our students for sponsorship, summer placements and full-time positions after graduation. They know our graduates are equipped with the skills they need: strong technical ability and the ability to work effectively with others. Now is a particularly good time to study computer science; all potential employers of our graduates are forecasting a serious shortage of the sort of high quality graduates that our courses produce.



The Manchester course provides a really solid foundation of the key computer science concepts, and then allows a huge amount of freedom to further explore the aspects of computer science that interest you the most. I've put into practice the skills and knowledge I've learned over the past three years to create my own multiplayer game engine.

James Bedford
BSc Computer Science
with Industrial Experience



WHY MANCHESTER?

- Diverse range of computing courses that will equip you with the skills to shape the future of business, engineering, science and society
- Multidisciplinary approach, which recognises that computing needs to take account of people, culture, processes and organisations, if technology is to be used effectively
- Knowledge, principles and transferable skills necessary for a career at the forefront of innovation, for talented and ambitious students



Find out more...

www.manchester.ac.uk/cs

www.manchester.ac.uk/mbs

See page opposite for list of courses.

One of the defining forces of the 21st century, computing transforms our world, changing the way in which we work and play, and redefining fields of human endeavour as diverse as healthcare and manufacturing, engineering and government.

Computing at Manchester is driven by the challenges presented by these new areas of application. Our courses involve finding new intellectual challenges: how to represent complex knowledge and information; how computers can interact naturally with people; how to design complex systems; and how computers can be made to work in business and management contexts.

Intelligent problem solving

Computing is about designing solutions to real problems. Technology alone does not solve problems; the skill and ingenuity of the scientist, the engineer, or the practitioner is the real driving force.

The diversity of problems to which computing is applied is difficult to comprehend: from designing a silicon chip containing more than 100 million transistors in an area no larger than a postage stamp, to developing an internet shopping site that recognises your interests and suggests items you might like to buy; from using medical imaging to map tumours, or to understand how the human brain works, to using embedded systems that monitor the movement of chemicals through the soil; from working with NASA to find bugs in the design of the K9 Martian Rover programme, to using computer graphics to combat the pain suffered by amputees.

Computing brings together computer science, electronics, mathematics, design, psychology, business and management and information systems. It unites an understanding of the scientific and technological foundations of computing, hardware and software methods, and information and communication technologies to design technology-based systems, information and knowledge management systems and business processes.

History of innovation

Over the course of its short history, computing has radically changed the way people experience the world – and The University of Manchester has played a long and distinguished role in this development.

From the very beginning, when the first computer in the world to store its program electronically was built here, through to today, when embedded computing systems are all-pervasive – in our mobile phones, DVD and MP3 players, in satellite navigation systems, in medical instrumentation and diagnostic equipment – we have been at the forefront of the development of both technology and applications.

Manchester offers breadth and depth in its range of computing courses. Whatever your area of interest in computing, we will almost certainly be able to offer a programme of study to fit your needs.

Perhaps you already have a clear idea of what you want to focus on in your studies, whether on the scientific and technological foundations of computing, on hardware or software design, or on the interface between computing and business.

Alternatively, perhaps you are interested in studying a computing-related course, but do not yet know exactly what will most attract you. If this sounds like you, please read the individual subject area entries to find out more about the courses we offer, take a look at the School websites, or contact us if you feel you need advice. We are keen to help you choose the right course for you.

What you study

Computing courses at Manchester

The School of Computer Science and Manchester Business School – both world leading in their own right – work together to provide a coherent set of courses. Where appropriate, courses are offered jointly, exploiting the strengths of both Schools.

Courses that concentrate on the core principles of computing and its myriad of applications:

Computer Science

Software Engineering

Artificial Intelligence

Computer Systems Engineering

See Computer Science, p77.

Courses that emphasise the effective use of information and communications technology in the public and private sectors:

Computing for Business Applications

Computer Science with Business and Management

Internet Computing

Information Technology Management for Business (an e-skills course)

See Computer Science, p77, and Business Studies and Management, p58.

Accounting, Management and Information Systems

See Accounting p50.

Other courses that explore the relationship between computing and other disciplines:

Computer Science and Mathematics

See Computer Science, p77.

DENTISTRY AND ORAL HEALTH SCIENCES

WHY MANCHESTER?

- Distinguished reputation in dentistry, long established since 1884
- Choice of the BDS, allowing you to practise as a dentist, or the BSc Oral Health Science, allowing you to practise as a dental hygienist or dental therapist
- Extensive experience in outreach community clinics, allowing you to treat patients regularly and experience clinical dentistry in a 'real world' environment

Dentistry (including Foundation Year) BDS 6yrs
UCAS Code A204

Dentistry (first-year entry) BDS 5yrs
UCAS Code A206

Oral Health Sciences BSc 3yrs
UCAS Code B840

Typical offer

Due to the detailed nature of entry requirements for Dentistry and Oral Health Science courses, we are unable to include a typical offer in the prospectus. For complete and up-to-date information on our entry requirements for Dentistry and Oral Health Science, you need to visit our website:

www.manchester.ac.uk/dentistry/undergraduate

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

What you study

BDS (Bachelor of Dental Surgery) in Dental Surgery

The subjects taught in all UK Dental Schools are controlled by the General Dental Council. Their document 'The First Five Years' gives details on what is covered in the BDS programme.

The Manchester Dental Programme has been designed by students and staff of the School of Dentistry to provide an integrated, enquiry-based, five-year course, building on and incorporating our existing high quality learning/teaching, our expertise in problem-based learning (EBL) and our well-established outreach courses. A key feature is integration between theory and practice, central to which is early learning/teaching in the clinical context.

Five themes run through our programme:

- Human health and disease
- The mouth in health and disease
- Clinical competence
- Scientific understanding and thought
- Team working, communication skills, ICT, reflective practice

Dedicated teams have designed these themes and integrated them into each year of the course, ensuring that your knowledge and skills develop in an integrated fashion as the focus moves from basic building blocks in Year 1, to professional competence in Year 5.

Foundation year

If your A-level (or equivalent) subjects do not include the required sciences, you will need to join our Foundation Year, intended to provide the scientific knowledge and skills necessary for you to progress to the first year of the five-year BDS course on satisfactory completion of the end-of-year assessment. Please note that we do not accept applications from outside the EU for the Foundation Year.

How you learn

The emphasis on integration of theory and practice throughout the Manchester Dental Programme lends itself to enquiry-based learning (EBL), which covers a spectrum of approaches:

- Exploration of a scenario or problem drives the whole learning experience (EBL)
- Small-scale investigations (eg field work or case studies)
- Projects and research activity



Find out more...

www.manchester.ac.uk/dentistry
ug-dentistry@manchester.ac.uk
t +44 (0)161 306 0231

“I’ve always enjoyed Manchester. It’s a vibrant, wonderful city without the impersonal metropolis feeling of London. Our graduates clearly agree; they always want to stay and do their protected practice in Manchester. It’s an incredibly good dental school; it’s in the best location in the British Isles; and it’s peopled by Mancunians, who are absolutely lovely people. So why are you thinking about anywhere else?”

Stephen Davies is both a lecturer/tutor in dental practice at the University and a practicing dentist, making him uniquely placed (and very willing) to comment on both the theoretical and the practical sides of dentistry. He’s also a Manchester alumnus from the class of 1971 – and has been here ever since.

“Dentistry is not about teeth. Dentistry is about people. It’s hard, but it’s rewarding for the same reasons. You need a combination of soft and hard skills; you need to be an empathetic person who enjoys technical challenges. And you need a commitment to lifelong learning. Manchester is the place to get what you need. The undergrad course is broad-based; we have a reputation as being a friendly school and academically sound. And, if you stay in the area, we have a very healthy postgraduate dental scene, which gives you the opportunity to develop as a dentist – as I did.”

Find out more about Stephen, including how coming to Manchester was, for him, a happy ‘accident’ and why he thinks surgeons have it easy:

www.manchester.ac.uk/ug/profiles

MANCHESTER
MADE ME...
NEVER WANT TO LEAVE

Stephen Davies
Lecturer in Dental Practice
School of Dentistry

Through EBL, you participate in a wide range of different learning activities, including small group seminars, themed theatre events, case-based activities, computer-assisted learning and the use of web-based resources.

Our emphasis on EBL means that traditional lectures and tutorials will not form a major part of your learning experience, but carefully integrated, appropriate early clinical experience will.

Years 3 to 5: A significant part of clinical teaching in these years takes place in outreach community clinics in different areas of Greater Manchester. Use of outreach teaching was pioneered in Manchester with our first paediatric outreach teaching in 1975. We now have eleven outreach clinics to which you may be assigned.

Oral Health Sciences

This course covers a wide variety of subjects, including basic sciences, human diseases, periodontology, dental caries, restorative dentistry, dental radiography, behavioural science, orthodontics, and general and oral health promotion.

How you learn

Year 1: Most teaching takes place in lectures, seminars and tutorials. You begin to develop your clinical skills on patient simulators progressing to your first adult patients.

Year 2: Non-clinical and clinical subjects are integrated as you begin to treat child and adult patients.

Year 3: You provide dental care for patients in a variety of settings, both within the School of Dentistry and at outreach community clinics.

Career opportunities

As a BDS graduate, you can work in general practice (normally after completing a year of mandatory vocational dental practice), the community dental service, hospital practice, university teaching and research, various individual organisations and the armed forces. Sometimes you may need further training and specialisation. Your qualification is recognised throughout the European Union and in many other countries.

As a graduate in Oral Health Sciences, you can work in all sectors of dentistry as a dental hygienist or dental therapist. This role incorporates the skills of both dental hygienists and dental therapists and reflects the philosophy outlined in the General Dental Council document 'Developing the Dental Team' - see: www.gdc-uk.org

Health screening

At the School of Dentistry, we are mindful of our overriding duty of care to the public, with whom you will come into close contact at an early stage of your studies. Consequently, if your application is successful, you will need to comply with the viral screening requested by the Department of Health to show that you are not a carrier of Hepatitis B or C, or HIV.

Additionally, you will be asked to send a completed Pre-Acceptance Health Questionnaire, countersigned by your general practitioner, to our Student Occupational Health Department.

General enquiries about the health screening can be addressed to:

Elizabeth Aniteye, Occupational Health Nurse Adviser
t +44 (0)161 275 2862
elizabeth.aniteye@manchester.ac.uk

Successful applicants will also be required to provide satisfactory Criminal Records Bureau Disclosure at enhanced level. As well as any criminal convictions, applicants must disclose any cautions, reprimands or final warnings that they have received.



WHY MANCHESTER?

- Established tradition at one of the first UK universities to teach drama
- £6 million investment in new premises and resources
- Wide-ranging teaching covering the history, theory, criticism and practice of drama and its performance
- Unique disciplinary focus on the way in which drama functions within its cultural context
- Access to one of the country's most vibrant theatre, film and performance cultures



Find out more...

www.manchester.ac.uk/drama
ug-drama@manchester.ac.uk
 t +44 (0)161 275 3348

Manchester was one of the first British universities to teach drama. Today, our scope and resources are extensive, with useful contacts across the city and region.

Our cutting-edge £6 million premises incorporates the purpose-built Cosmo Rodewald Concert Hall, the John Thaw Studio Theatre, the Lenagan Library, audio/visual facilities and improved performance, workshop and practice spaces.

Drama BA 3yrs

UCAS Code W400

Drama and English Literature BA 3yrs

UCAS Code WQ4H

See also *English Literature*, p96.

Drama and Screen Studies BA 3yrs

UCAS Code WW46

See also *Music and Drama*, p150.

Typical offer

Due to the detailed nature of entry requirements for Drama courses, we are unable to include a typical offer in the prospectus. For complete and up-to-date information on our entry requirements for these courses, you need to visit:
www.manchester.ac.uk/ugcourses

Drama and Screen Studies

This course takes advantage of the opportunities offered on the Drama course, but focuses on the study of film and other screen media. You take course units on theatre or film history and contextualisation, as well as undertaking individual research for a dissertation in your third year that can be practice-based. Throughout your course, you can choose film options from the variety of studies offered and take courses in video-making.

Career opportunities

A wide variety of career opportunities are open to you. Recent graduates now have successful careers in theatre, film and television, applied theatre, journalism and publishing, teaching and research, community arts and arts administration.

What you study

Drama

You study drama as a cultural process and artistic discourse, via the intellectual consideration of theoretical and dramatic texts, performance venues and theatre, cinema and television events.

Drama and English Literature

If you wish to study other literary forms, this course allows you to choose a number of pathways drawn from drama and English literature (eg two-thirds drama and one-third English literature; one-third drama and two-thirds English literature, or half drama and half English literature). Various options allow emphasis that is more theoretical than practical. You can consult with tutors to help you determine your route through the course.



Drama at Manchester has opened my eyes to a new wealth of knowledge, both on a personal and academic level. The relationship between the course and the city itself creates a brilliant environment in which the arts can be studied in a modern and exciting way.

Charlotte Knope
 BA Drama





WHY MANCHESTER?

- One of the UK's largest centres for earth and environmental teaching
- Diverse exciting fieldwork opportunities, funded by the University, as part of your course
- Opportunities to gain industrial experience via work placements

Earth Sciences MEarthSci 4yrs
UCAS Code F640

Environmental and Resource Geology BSc 3yrs
UCAS Code F630

Geochemistry BSc 3yrs
UCAS Code F670

Geography and Geology BSc 3yrs
UCAS Code FF68

Geology BSc 3yrs
UCAS Code F600

Geology with Planetary Science BSc 3yrs
UCAS Code F6F5

Geology with Planetary Science MEarthSci 4 yrs
UCAS Code F6FM

Petroleum Engineering BEng 3yrs
UCAS Code H850

Petroleum Engineering MEng 4yrs
UCAS Code H851

Typical offer

A-level: AAB-ABB
IB: 35-36

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Earth Sciences

Earth Sciences studies the composition, behaviour and history of the Earth and other planets. It integrates and applies different scientific disciplines to problems such as the formation and composition of the Earth, causes of earthquake and volcanic activity, causes of Ice Ages and the origin and evolution of life.

It is an immensely practical subject; geologists study many phenomena that affect our daily lives, such as the study of natural hazards (earth-

quakes, volcanic eruptions, landslides and floods), and how to predict their occurrence; the search for new energy and mineral resources and their safe exploitation; maintaining quality water supplies; the disposal of domestic, industrial and nuclear waste; and the study of short and long-term climatic change.

Geoscientists find employment in oil, mining, engineering, water and environmental fields as well as in teaching, at universities and in government geological surveys.

What you study

Geology

Covers all the major aspects of geoscience – ideal if you want to keep your options open. Accredited by the Geological Society of London, with a full fieldwork programme, including independent mapping, and wide choice of Year 3 options.

Environmental and Resource Geology

Focuses on exploration for earth resources and the environmental impact of their extraction, along with the safe disposal of any waste products. You could study hydrogeology, mineral deposits, engineering geology and energy resources, and you may take units shared with environmental scientists. Accredited by the Geological Society of London, with a full fieldwork programme, including independent mapping.

Geochemistry

Ideal if you have a good background in physical sciences and are particularly interested in the chemistry of natural systems and their evolution through time. The course applies geochemical methods to such diverse problems as the origin of the solar system and polluted groundwater. You could study



Find out more...

www.manchester.ac.uk/seaes
ug-earth-sci@manchester.ac.uk
t +44 (0)161 275 0776

biogeochemical cycles, organic systems, isotope geochemistry and analytical techniques. Accredited by the Geological Society of London, with a full fieldwork programme, including independent mapping.

Earth Sciences (MEarthSci)

This four-year undergraduate 'integrated masters' is particularly suitable if you want a research career. You may switch to it from any other geoscience course in Years 1 and 2. You can follow a geology, environmental and resource geology, or geochemistry pathway in the early course years, with a research project in Year 4. A few specialist units are shared with postgraduate students. Accredited by the Geological Society of London, with a full fieldwork programme, including independent mapping.

Geology with Planetary Science (BSc/MEarthSci)

Planetary Science is an interdisciplinary subject and a unique course bringing together geologists, astronomers, physicists, chemists and biologists to study the origin and evolution of the solar system. You could study comparative planetology, extra-terrestrial materials, isotope geochemistry and origin of the solar system. Available in three or four-year format (the latter gives you the chance to undertake a research project in planetary science). The course comprises around two-thirds geology, one-third planetary science.

Geography and Geology

Ideal if you have a strong interest in physical geography and geology and wish to focus on natural processes at the Earth's surface. You have a wide choice of units and undertake a dissertation typically in physical geography or sedimentary geology, often field-based. This is a

joint degree between the School of Earth, Atmospheric and Environmental Sciences (EAES) and the School of Environment and Development. You may attend field courses run by both Schools.

Petroleum Engineering

Availability and exploitation of oil and gas resources underpins the world's economy. Today, new hydrocarbon resources are increasingly difficult to find, while demand for oil is increasing rapidly. This has resulted in rising oil prices, so oil companies are placing more emphasis on efficient recovery to maintain production and meet increasing demands. Petroleum engineers work at the interface between geology and engineering and are pivotal in the efficient exploitation and long-term recovery of hydrocarbons.

Our courses equip you with the knowledge and skills required by the petroleum industry. Many course units are led by industry professionals, and project work simulates real industry problems.

What you study

Petroleum Engineering (BEng/MEng)

Producing oil and gas from reserves effectively and safely is of immense economic importance, and requires a broad spectrum of knowledge and skills. These courses equip you with the skills and knowledge to manage and operate oil fields effectively. Courses benefit from industry input and dedicated laboratory space with industry-standard software. Design projects each year enable you to put theory into practice. This is a joint course between EAES and the School of Chemical Engineering and Analytical Sciences.

Fieldwork and placements

Integral to your degree, fieldwork allows you to apply skills learnt in lectures and laboratories to real settings. You develop observation and interpretation skills and techniques for investigating specific problems. All tutor-led courses are heavily subsidised. Students undertaking independent fieldwork (eg geologists) will need to contribute towards travel and accommodation costs.

You have opportunities to gain industrial experience in areas from oil exploration to site investigation of contaminated land.

Career development

University mentoring schemes allow you to gain experience of a particular industry of your choice. Many students progress onto a postgraduate degree as a route to a specialist career.

For course units on all courses see: <http://bit.ly/ruN8Fp>



The University has excellent facilities, resources and lectures. Obviously there is a lot of hard work involved, but there is a lot of fun to be had too; the second year field trips have provided me with some great memories. By the end, I'll have a top-notch degree and a choice of career that will hopefully take me to a hot country somewhere.

Dominic Mulroy
BSc Geochemistry





WHY MANCHESTER?

- Long, distinguished history in Economics, with a Chair in Political Economy founded at Manchester in 1854
- Exclusive first-year study skills and applied economics units
- Excellent technical capabilities and transferable skills from research-led teaching in Year 3
- Extensive choice of course units, thanks to the significant diversity of interests of our staff

Economics BEconSc 3yrs

UCAS Code L102

Economics BA (Econ) 3yrs

UCAS Code L100

Economics and Philosophy BA (SocSci)

UCAS Code LV15

See also BA (Econ) Economic and Social Studies p90, Modern History with Economics p106.

Typical offer

A-level: AAB

IB: 35

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

The study of economics is crucial to understanding the world around us, as a glance at the news reveals that many important issues facing societies across the globe have a substantial economic dimension.

Many famous names in economics have worked and studied at Manchester, including two Nobel Laureates: Sir John Hicks, whose interpretation of Keynes General Theory is still considered the dominant model taught to undergraduates at nearly all UK universities; and Sir Arthur Lewis, a development economist who became the first black person to receive a Nobel Prize outside the category of peace. Today, we are at the forefront of UK teaching and research in economics, with an academic staff of nearly 50.

What you study

Economics BEconSc

The Bachelor of Economic Science is a small specialist Economics degree designed to provide specialist training and knowledge for students who are strongly committed to the study of economics. There is a strong quantitative (mathematics and statistics) core to the degree; we require at least a grade B at A-level Mathematics or equivalent (although most students exceed this requirement).

The course covers the core elements of micro- and macroeconomics and requires you to develop the mathematical and related quantitative skills necessary for further study in economics, or for a career as a professional economist in the private or public sector.



Find out more...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk

t +44 (0)161 275 4470/2291/

1473/4748

Over the degree, half of the course units cover compulsory material. You can choose your remaining units from a wide range of options, including development economics, environmental economics, finance and mathematics, allowing you to pursue your own additional interests.

Year 1: Core components include economics, mathematics and statistics and exclusive course units in Applied Economics and Studying Economics. You can develop your personal transferable skills, including IT skills, and enhance your quantitative and economic understanding. Free choice course units include languages, philosophy, other social sciences, or options in mathematics.

Year 2: Core components are economics, econometrics and mathematical economics. You may take other options in Economics and/or enrol on The Manchester Leadership Programme.

Year 3: The core component of Economics and an additional choice of course units in econometrics and/or mathematical economics allow you to specialise in particular sub-disciplines. These core components are combined with a flexible choice of course units drawn from all areas of the economics discipline, including a collection of units in finance.

This flexible choice of optional course units allows you to develop deep specialist knowledge, in order that you can either pursue postgraduate training in economics, finance, or any related area, or enter directly into the job market upon graduation. When you graduate, your chosen course units (in your final year) combine to give you a degree specialisation in one of the following:

- **Economics**
- **Econometrics and Mathematical Economics**
- **Financial Economics**

Economics BA (Econ)

Studying economics on this School of Social Sciences degree, the BA (Economic and Social Studies), enables you to take a broad variety of subjects across the social sciences, including economics in your first year. You can then specialise in economics, or combine it with other social science subjects.

For details, see p90.

Career opportunities

Career opportunities for our trained economists are excellent. A recent survey showed that economics graduates had the second highest average salary a decade after graduation (topped only by clinical dentists).

Our graduates have pursued careers both in the public and private sectors, in a wide range of national and international organisations. A high proportion of BEconSc graduates take advantage of their specialised knowledge by going onto further postgraduate study in economics and related areas.



I wanted to specialise in Economics as a career and the skills the BEconSc gave appealed to me. The degree also gave me a fair amount of flexibility – eg History course units.

Martin Kelly
BEconSc Economics





WHY MANCHESTER?

- Maximum flexibility and choice in your preferred areas of study, with more than 260 course units available to choose from
- Specialist subject areas that all achieved the maximum possible score in the most recent teaching quality assessment
- Courses enhanced by researchers with 'world leading' and 'internationally excellent' reputations



Find out more...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk
t +44 (0)161 275 4470/ 2291/
1473/ 4748

Accounting BA (Econ) 3yrs
UCAS Code N420

Accounting and Economics BA (Econ) 3yrs
UCAS Code NL41

Accounting and Finance BA (Econ) 3yrs
UCAS Code NN43

Business Studies BA (Econ) 3yrs
UCAS Code N100

Business Studies and Economics BA (Econ) 3yrs
UCAS Code NL11

Business Studies and Politics BA (Econ) 3yrs
UCAS Code NL12

Business Studies and Sociology BA (Econ) 3yrs
UCAS Code NL13

Development Studies BA (Econ) 3yrs
UCAS Code L900

Development Studies and Economics BA (Econ) 3yrs
UCAS Code LL91

Development Studies and Politics BA (Econ) 3yrs
UCAS Code LL92

Development Studies and Sociology BA (Econ) 3yrs
UCAS Code LL93

Economics BA (Econ) 3yrs
UCAS Code L100

Economics and Criminology BA (Econ) 3yrs
UCAS Code LM19

Economics and Finance BA (Econ) 3yrs
UCAS Code LN13

Economics and Philosophy BA (SocSci) 3yrs
UCAS Code LV15

Economics and Politics BA (Econ) 3yrs
UCAS Code LL12

Economics and Sociology BA (Econ) 3yrs
UCAS Code LL13

Finance BA (Econ) 3yrs
UCAS Code N300

Politics BA (Econ) 3yrs
UCAS Code L244

See also Accounting and Finance p50, Business Studies and Management p58, Economics p88, Philosophy p159, Politics and International Relations p167, Social Anthropology p174, Sociology p178.

Typical offer

A-level: AAB
IB: 35

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

The BA Social Sciences (BA Econ) at Manchester offers you the chance to specialise in diverse subjects – see the relevant pages of this prospectus for more information on the subjects:

- Accounting p50
- Business Studies p58
- Criminology p117
- Economic Studies p88
- Finance p50
- Philosophy p159
- Politics p167
- Social Anthropology p174
- Sociology p178

Extensive choice

You can study a single subject or a combination of subjects within the same degree course. Not everyone knows which areas they want to focus on; we have therefore structured the course so that you do not have to decide when you apply which subject or subjects you will study in most depth, but can take the crucial decision as you progress through the three years of the course.

When you apply, you must use one of the course codes listed above, but this does not restrict your eventual choice of area. For example, a student who originally applied for Economics may eventually combine Government or Sociology with Economics, or specialise in Development Studies. You may also choose combinations that are not listed here.

Please note: you cannot specialise in Accounting, Finance, or Business Studies, either as a single area or in combination with other areas, unless you use the appropriate course code.

What you study

Year 1: You follow a broad programme of study that includes economics, politics, the social sciences, and either quantitative methods, or social research methods, depending on your intended area of specialisation. You can also take course units in computer applications and study skills.

The aim is to provide a broad introduction to the social sciences. This will provide some of the basic transferable skills you will need as a student and in later life. Furthermore, it will enable you to make an informed choice of the subject areas you will study in Years 2 and 3.

Year 2: You can now decide which area/s to specialise in. You can take most of your course units in a single area, or within two, sometimes three areas.

Year 3: You specialise in one area, or combine two areas of study. In total, more than 260 course units are available, giving you remarkable choice and the opportunity to put together a programme of study that suits your particular interests.

Career opportunities

Due to the number of pathways available through the degree, you will have a wide variety of career opportunities in both the private and the public sectors. Recent graduates have pursued careers in management, accounting, consultancy, the Civil Service, the Bank of England, journalism and the media, social work, teaching and law.



I have had the chance to be taught by great lecturers, including the Head of Economics in SoSS. Peer-assisted student support sessions (PASS) in the second year were really beneficial and because of this I am now a PASS leader myself.

Mohd Hariz Nazimuddin
BA (Econ)



ELECTRICAL AND ELECTRONIC ENGINEERING

WHY MANCHESTER?

- 96% student satisfaction in the National Student Survey (NSS) with one of the highest ranking for teaching quality of any degree course in the UK
- Strong industry links that inform our course content and make you more employable
- Cutting-edge degrees informed by excellent research; we are ranked second in the UK for our research quality
- Accreditation by the Institution of Engineering and Technology (IET)
- Excellent teaching facilities with modern lecture theatres, dedicated computer suites and well-equipped teaching laboratories



Find out more...
www.manchester.ac.uk/eee
ug-eee@manchester.ac.uk
t +44 (0)161 306 9351

Electrical and Electronic Engineering BEng 3yrs
UCAS Code H600

Electrical and Electronic Engineering MEng 4yrs
UCAS Code H605

Electrical and Electronic Engineering with Industrial Experience BEng 4yrs
UCAS Code H606

Electrical and Electronic Engineering with Industrial Experience MEng 5yrs
UCAS Code H601

Electronic Engineering BEng 3yrs
UCAS Code H610

Electronic Engineering MEng 4yrs
UCAS Code H614

Electronic Engineering with Industrial Experience BEng 4yrs
UCAS Code H613

Electronic Engineering with Industrial Experience MEng 5yrs
UCAS Code H615

Mechatronic Engineering BEng 3yrs
UCAS Code HH36

Mechatronic Engineering MEng 4yrs
UCAS Code HHH6

Mechatronic Engineering with Industrial Experience BEng 4yrs
UCAS Code HH63

Mechatronic Engineering with Industrial Experience MEng 5yrs
UCAS Code HHP3

Typical offer

MEng: AAA with Maths and either Physics, Electronics, or Further Maths

BEng: AAB with Maths and either Physics, Electronics, or Further Maths

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

The School of Electrical and Electronic Engineering has more than 60 dedicated academic staff and superb facilities, including a state-of-the-art facility for molecular beam epitaxy, the UK's highest specification high voltage laboratories, an Intelligent Electrical Power Networks Evaluation Facility and teaching laboratories sponsored by National Instruments.

The Institution of Engineering and Technology (the professional body for this subject) has accredited all our undergraduate courses, giving special commendation to our tutorial scheme, Microcontroller and Embedded Systems projects, industrial placements scheme, Year 4 team project and the overall design of our course units. They were particularly impressed by the strong sense of community in the School, with extra-curricular activities including 'EEESoc' and the Electronic Club.

Our courses produce graduates prized by industry thanks to our Industrial Advisory Group, a forum where industry informs the School of its vision for the future, and advises on what they will expect from top graduates in a few years.

Excellence in teaching and research

The School is unique in the UK in combining excellence in both teaching and research (see:

www.manchester.ac.uk/eee/rep/utation). Our research ranking is second in the UK for “research quality”. In 2011, our score for student satisfaction was 96% in the NSS (National Student Survey). Both these results will influence potential employers when judging the quality of your degree.

Two major challenges facing the world today are food security and energy, in the context of climate change and diminishing resources. These are key research themes for EEE, which influence our teaching, particularly in project work.

Funding

There are many funding opportunities open to EEE students at Manchester. Our students receive awards from companies and organisations including BP, National Instruments, the IET and Siemens.

Power Academy Scholarships

The School is a founder member of the Power Academy, which offers support and finance to successful applicants for the duration of their undergraduate degree, and has the following vision:

“The Power Academy aims to deliver world-class graduate engineers to design, develop, implement and maintain the power industry of tomorrow. The emphasis of the Academy will be on developing exciting, rewarding and challenging careers for those involved and for meeting the changing demands of a dynamic and progressive industry.”

The package provides an annual seminar, a book allowance and an annual bursary (currently £2,200), plus a summer placement with your sponsoring company. For more information on funding, visit: www.manchester.ac.uk/eee/undergraduate/funding

What you study

Course units that you could be studying include: Circuit Analysis; Measurements and Analytical Software; Digital Systems Design; Electromagnetic Fields; Electronic Circuit Design; Electronic Materials; Energy Transport and Conversion; Engineering Mathematics; Embedded Systems; Control Systems; Java Programming; Digital Signal Processing; Analogue and Digital Communications; Robotics; Electric Vehicle Systems; Antennas and RF Systems; Power System Operation and Economics; and Non-linear and Adaptive Control Systems.

This is an evolving discipline, so the actual subjects that you study depend on the latest technology developments.

Our courses have a strong practical element, using laboratory sessions to bring theory to life. In Year 1, you build a microcontroller development system – an essential technology in this subject. You can then use this as the basis for developing applications such as a games console, a robot controller, a wireless communications system, or a smart metering system.

Flexible degrees

You can choose between MEng or BEng level degree courses and each can be combined with an assessed year in industry. The first three semesters of our courses are common, allowing you to switch between them at any time up to the end of the first semester in Year 2.

Year in industry

All of our degree courses can be taken with an assessed year in industry (see course list). Our industrial placement courses manager will help you find a suitable placement.

A year in industry will develop your business, team-working and other transferable skills, all of which are sought after by graduate employers. It can be accredited by the IET towards the training required for attaining Chartered Engineer status.

Industrial experience will increase your awareness of the broad range of careers on offer and guide your choice of option subjects.

Electrical and Electronic Engineering (MEng/BEng)

The use of electricity is fundamental to modern life and, without a secure supply, society in its current form would collapse. Consequently, the importance of efficient and sustainable generation, secure distribution, and intelligent user devices cannot be overstated. This will be a lifetime challenge facing the next generation as traditional sources of energy will run out and new ways of generating, distributing and using electricity must be sought. Electrical and electronic engineers have a vital role in addressing this challenge.

In transport, electrical systems are increasingly being used in electric vehicles (road and rail), hybrid drives (part electric motor, part internal combustion engine), engine management electronics, safety systems, on-board entertainment and navigation systems.

Graduates of this course will be able to contribute fully in the fields of: power systems analysis and protection; efficient and clean power generation; smart grids; renewable energy schemes; power electronics; sophisticated control systems; communications; and embedded computer systems.

Electronic Engineering (MEng/BEng)

Today, and in the future, we look to electronics to provide answers for complex problems. Take the mobile phone: a very sophisticated computer and communications system that links to a worldwide network of antennas allowing it to connect to any other mobile or landline as well as the internet.

Modern electronics requires an understanding of fundamental analogue and digital circuits to enable the design of elements that can be connected together to make small systems, which serve as the modular blocks for bigger, more complex systems.

We live in an information age. Complex systems require digital signal processing (for images, audio and other signals). Technological developments in communications include concurrent processing (to allow the manipulation of the massive amounts of data), data networking and digital communication systems for both local distribution and across the Internet.

Graduates of this course will be able to contribute fully in the fields of: microelectronics; mobile and wireless communications; smart grids; digital signal processing; systems engineering; software design; concurrent systems; embedded computer systems; networking; and analogue circuits and systems.

Mechatronic Engineering (MEng/BEng)

Mechatronics is the marriage of mechanical engineering with smart electronics and is vital to subjects such as industrial automation and robotics.

To interact with an object, a system must know where the object is, be

able to move the object and place it in the required new position. The electronics therefore require information from sensors that can detect position, orientation, and visual or audio signals. The electrical inputs from the sensors have to be interpreted and the appropriate signals sent out to the actuators to perform the required operation. A good understanding of feedback control is also required to be able to make changes in the system from one steady position to another without oscillations or unpredictable movements.

In this course you will learn the techniques necessary for the design and implementation of such intelligent mechatronic systems.

Graduates of this course will be able to contribute fully in the fields of: robotics; actuators; sensors and instrumentation; autonomous systems; power electronics; mechatronic analysis and design; control; embedded computer systems; and production engineering.

Career opportunities

Are you interested in enabling aeroplanes to fly, developing sustainable energy networks or in enabling improved crop yields? Could you produce a winning Formula One racing car, improve medical diagnostic equipment or make computer games more exciting? Would you like to advance mobile communication systems, reduce the emissions responsible for global warming or make life more rewarding and sustainable? If so, then our degree courses are for you.

In addition to subject-specific skills and knowledge, you will acquire skills such as logical thinking, team working, report writing, analysis, presentations, programming and a high level of numeracy. This will

open a wide range of career opportunities.

Our graduates have moved into a vast range of careers, including: consumer electronics; avionics; banking and commerce; embedded systems; silicon chip design; biomedical electronics; audio signal processing; optoelectronics; IT consultancy; Java and C/C++ programming; digital systems design; mobile computing; satellite communications; RF circuits; wireless networks; cryptography; internet technology; fly-by-wire; wireless networks; security and surveillance; sustainable energy; power distribution; automotive electronics; power electronics; process engineering; flexible manufacturing systems; robotics; electric vehicles; and postgraduate study.

The School organises careers events attended by over 25 companies specifically for our students.



I have really enjoyed the past three years at Manchester and it now feels like home. I continue to enjoy the course and look forward to the challenges it is going to bring in the future.

Maria McKavanagh
MEng Electronic
Engineering



ENGINEERING AND SCIENCE WITH AN INTEGRATED FOUNDATION YEAR

WHY MANCHESTER?

- Teaching carried out on the University campus by University staff with considerable experience of delivering a curriculum designed for a foundation year purpose
- Courses designed to maximise your achievement and fully prepare you for degree study in engineering or science
- Long, distinguished history in engineering and science education and research



Find out more...

www.foundationstudies.eps.manchester.ac.uk
ug-fy-eps@manchester.ac.uk
t +44 (0)161 306 4742

These courses are designed to prepare you for study on degree courses in engineering and associated disciplines, or science-related disciplines within our Faculty of Engineering and Physical Sciences.

You study the mathematics, physics and chemistry (where appropriate) essential for securing success in the targeted degree courses. You also study communication skills and information and communications technology (ICT), developing the transferable skills necessary for

Engineering with an Integrated Foundation Year 4/5yrs

UCAS Code H108

Science with an Integrated Foundation Year 4/5yrs

UCAS Code F008

Typical offer

Students are accepted from a wide range of backgrounds. Each application is considered individually.

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

successful undergraduate study, and undertake a project in the discipline of your choice.

After your Foundation Year, provided the progression criteria are met, Engineering with an Integrated Foundation Year course guarantees progression onto the first year of an appropriate degree course chosen from:

- Aerospace Engineering p52
- Chemical Engineering p64
- Civil Engineering p72
- Electrical and Electronic Engineering p92
- Materials Science p136
- Mechanical Engineering p142
- Petroleum Engineering p86

Provided the progression criteria are met, Science with an Integrated Foundation Year course guarantees progression onto the first year of an appropriate degree course chosen from:

- Chemistry p67
- Computer Science p77
- Earth Sciences p86
- Mathematics p140
- Physics and Astronomy p161
- Textile Technology p182

Find out more about these subject areas in the relevant pages of this prospectus.

You may discuss the different courses, or your suitability for them, with the Foundation Studies Office, or the relevant admissions tutor. Further advice will also be given during the Integrated Foundation Year.

What you study

A variety of course units appropriate to your chosen degree course. These include: Mathematics, Physics and Chemistry (where appropriate), as well as units in Communication Skills and Information and Communications Technology (ICT) and a project that is specific to your anticipated degree. There is also the opportunity for you to develop important skills, such as how best to study, time management, team working and problem solving.



I get to interact with students progressing onto different schools, and so I can make logical comparisons on degree paths. I enjoy the sense of allegiance and pride that is felt within each school and also collectively throughout the university."

Kimberly Hunter
Science with
a Foundation Year





WHY MANCHESTER?

- One of the UK's largest communities of English and American Studies scholars, with an outstanding research record
- Direct access to internationally famous writers and researchers
- Excellent, comprehensive range of relevant library resources

American Studies BA 3yrs
UCAS Code T701

English Literature BA 3yrs
UCAS Code Q320

**English Literature and
American Studies BA 3yrs**
UCAS Code QT37

**History and American Studies
BA 3yrs**
UCAS Code VT17

See also Drama and English Literature p85, English Literature and Linguistics p132, Greek and English Literature p75, Latin and English Literature p75, Modern Languages p149.

Typical offer

A-level: AAA-AAB
IB: 35-37

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

The most recent Research Assessment Exercise ranked us as the second highest English and American Studies department in the United Kingdom. Our research excellence informs our teaching and our students enjoy master-classes taught by global leaders in their fields, on subjects from Shakespeare to contemporary fiction, as well as talks by world-famous writers at the Centre for New Writing, such as Colm Toibin (our recently appointed Professor of Creative Writing), Hilary Mantel, Jenny Diski and Neil Gaiman.

Our University Library includes among its extensive holdings renowned collections in the medieval, Victorian and American literary fields, as well as the archive material of the Manchester Poetry Centre. Several major research databases are dedicated to topics such as the African American Experience, the 19th century US press, and American religion. The English and American Studies film library is another substantial resource.

Our lively, student-run English Literature and American Studies societies offer social and intellectual entertainment through readings, talks, parties, theatre visits and plays.

What you study

English Literature

You have access to the full range of English Studies. Alongside the traditional range of English literature – from the Anglo-Saxon period to the present day – you may study American, Irish and post-colonial literatures, as well as cultural theory, creative writing, gender studies, and film.



Find out more...

www.manchester.ac.uk/english
ug-eng-am@manchester.ac.uk
t +44 (0)161 306 1252

“

I believe that professors should teach the first-years; they need to be fired up with the kind of enthusiasm that decades of reading literature has given you. Opening doors to my first-year students is crucial for me. All the writing and knowledge that awaits them – it makes teaching a delight. And the texts I read and teach feed directly into what I write, so I feel my teaching is nurturing my writing all the time.”

”

Patricia Duncker is Professor of Contemporary Writing in our School of Arts, Histories and Cultures, and an award-winning novelist. Born in Jamaica, she moved to England at age 13. Since she began teaching in higher education in 1975, Patricia has worked in institutions across the UK and in France, coming to Manchester in 2007 – where she intends to stay.

“My colleagues are excellent; they all have very lively, creative imaginations. Very often you find that they are considered to be not only AN expert in their field, but THE expert in their field. And there tends to be a close link between their specialist teaching subjects and their research. This is of enormous benefit to the students, because they’re not being taught derivative or second-hand knowledge; they’re learning at the cutting-edge of their subject.”

Find out Patricia’s thoughts on the Manchester Literature Festival, three things that an English degree teaches you and how poetry changes lives:

www.manchester.ac.uk/ug/profiles

MANCHESTER
MADE ME...

DISCOVER, AND INSPIRE, CREATIVITY

Professor Patricia Duncker
Professor of Contemporary Writing
School of Arts, Histories and Cultures

Year 1: Introduces you to the analytical, critical, and theoretical skills that you will need to study English Literature at degree level, while also sampling a broad range of historical periods and genres.

Year 2: Concentrates on exploring literature in its social and historical contexts. You will have the opportunity both to study Medieval, Early Modern, 18th and 19th Century literatures, and to consider the role of gender, sexuality and national identity in literary studies.

Year 3: Enables you to develop your own interests by choosing from a wide range of specialist options, all taught by experts in the field. Currently we offer more than 20 options in areas ranging from Medieval Poetry to Futuristic Fictions; single author studies such as Beckett and Modernity and DH Lawrence; generic course units such as British Romanticism; thematic units such as European Writing and the Third Reich, and Crime and Law in 18th and 19th Century Literature; plus our offerings in postcolonial literature and creative writing. The compulsory long essay also gives you a chance to develop your own area of expertise.

American Studies

This interdisciplinary degree offers you the opportunity to study the history, literature, film, politics and popular culture of America.

Year 1: Gives you a solid grounding in debates about the character, nature and purpose of America and offers a broad introduction to American history, literature and culture.

Year 2: You could study at a North American university; our exchange partners span the continent, from the University of California, to the University of Massachusetts. You also take From Jamestown to James Brown, an innovative interdisciplinary course unit on the African-American experience, and choose other units in American literature, film and history.

Year 3: A compulsory long essay and choice of five units that reflect the research expertise of the American Studies staff. These may include units on California, slavery, the civil rights and black power movements, southern literature, conspiracy culture, film and politics, American masculinities, African-American writing, hip-hop and Hollywood.

American Studies Joint Honours degrees with English or with History

These degrees follow similar patterns to the American Studies course, except that half of your degree is in English Literature or in History.

Compulsory introductory course units in Year 1, the opportunity to study in North America in Year 2, and various interdisciplinary courses in Year 3 complement many of the options and patterns of study outlined above. In Years 2 and 3, you may also opt to take more credits in one part of the degree, adopting a major/minor profile to reflect your interests.

Career opportunities

Our graduates take up careers in journalism, accountancy, law, banking, advertising, business management, education, computing, the media, and the civil service.



American Studies has allowed me to critically analyse what is perhaps the most powerful country in the world by studying its history, politics and literature...

I have found each module that I've studied fascinating and can genuinely say I've fully enjoyed my whole degree.

Mikaila Nichols
BA American Studies





WHY MANCHESTER?

- One of the largest centres for earth and environmental teaching in the UK
- Diverse exciting fieldwork opportunities, subsidised by the University, as part of your course
- Cutting-edge research that informs our taught courses



Find out more...

www.manchester.ac.uk/seaes
ug-enviro-sci@manchester.ac.uk
t +44 (0)161 275 0776

Our Environmental Science degree can lead to employment opportunities in the commercial, industrial, government and educational sectors, as well as the foundation required for further postgraduate study in environmental science and related science-based disciplines. Environmental science is the study of how physical, chemical, and biological processes maintain and interact with life and includes the study of how humans affect nature. As well as the natural sciences, social sciences give insights into human behaviour and how our social, political and economic institutions impact on environmental quality.

Environmental Science BSc 3yrs

UCAS Code F850

Typical offer

A-level: ABB
IB: 33-34

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

While based in the School of Earth, Atmospheric and Environmental Sciences, this multidisciplinary degree includes important contributions from other Schools – particularly Life Sciences, and Environment and Development.

A science-based understanding of our environment is vital to ensure that human needs are met in a sustainable way, so everyone will have access to clean water, clean air, and the earth resources required for agriculture and industrial activity. This course provides training for scientists with an awareness of environmental problems and solutions, who can communicate with others.

Fieldwork is important: you undertake relevant, integrated and exciting subsidised fieldwork in each of your three years. You may also take extra fieldwork options in such places as the French Alps, Ecuador, Greece and South Africa.

Environmental science graduates find employment in a diverse range of jobs including environmental consultancy, management, and as environmental scientists working in the field or laboratory.

Studying at Manchester

A core of compulsory units with distinct 'themes' and a choice of options in each year allow you to specialise in areas that interest you most. The curriculum is

tailored towards job prospects, taking input from a Manchester industrial board of environmental employers. The optional Manchester Advanced technology enterprise unit teaches you skills to set up your own business.

You may interact with students from other disciplines on University-wide courses, such as sustainability and leadership, and take selected humanities course units in areas such as planning and economics, where environmental concerns are of increasing importance.

We offer a friendly atmosphere and stimulating learning environment, with welcoming, enthusiastic staff and strong expertise over many areas. Research in the School was termed "world leading" or "internationally excellent" in the 2008 Research Assessment Exercise, and staff draw on their research to ensure courses are relevant, exciting and up-to-date.

For details on fieldwork, work placements, scholarships and career development, see Earth Sciences, p86.

See a full list of course units:
<http://bit.ly/ruN8Fp>



The annual field trips are an integral part of the course as they have allowed me to gain valuable scientific surveying skills and put the theory I learnt in class into practice.

Sarah Perry
BSc Environmental
Science





WHY MANCHESTER?

- The chance to place your language studies within the wider context of European and general politics
- Diverse choice of subjects complementary to your language studies, from literature to political history
- Year abroad in a country where your chosen language is spoken



Find out more...

www.manchester.ac.uk/lc
ug.languages@manchester.ac.uk
t +44 (0)161 275 3211

For candidates with appropriate qualifications, Manchester's courses in European Studies and a Modern Language offer an alternative approach to language studies at undergraduate level.

They encourage you to develop a problem-solving approach to the real world, recognising that contemporary European problems and issues cannot be broken down into neat academic disciplines.

European Studies and a Modern Language (French) BA 4yrs

UCAS Code RR19

European Studies and a Modern Language (German) BA 4yrs

UCAS Code RR29

European Studies and a Modern Language (Italian) BA 4yrs

UCAS Code RR39

European Studies and a Modern Language (Portuguese) BA 4yrs

UCAS Code RR59

European Studies and a Modern Language (Russian) BA 4yrs

UCAS Code RR97

European Studies and a Modern Language (Spanish) BA 4yrs

UCAS Code RR49

Typical offer

A-level: AAB-BBB

IB: 36-31

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

What you study

These courses have at their centre the principal elements of a Single Honours language course combined with core units in politics, focusing on contemporary Europe and the European Union. In addition, you have a choice of further units in politics, or course units in economics, history, or sociology. A further language can also be studied. These choices widen in the second and final years of the course, allowing you to pursue your particular interests.

You will develop your knowledge of Europe and, in particular, of your chosen language and culture.

The course has been designed to equip you with strong analytical skills, informed understanding of contemporary European developments, and written and oral competence in one major European language to degree level.

Core language course units are complemented by choices from a wide range of other subjects, including: culture, society, literature, linguistics, history, art and cinema related to your main language; world and European politics; economics; economic, social, or political history; sociology or social anthropology; and a wide range of additional languages.

For more information on Modern Languages, see p149.



I wanted to further my knowledge of the European Union, yet the course itself provides much more than just that. It's amazing because you get to study not only politics, but also sociology, history, economics and a modern language as well.

Victor Badilas
BA European Studies
and Modern Language
(German)





WHY MANCHESTER?

- One of the largest and oldest centres in the UK for French and Francophone studies
- Exceptionally wide range of course units, from the medieval to the contemporary period
- Renowned expertise in visual cultures of the French-speaking world
- Teaching by international and national specialists with outstanding scholarship and research activities
- Year 3 spent abroad in a French-speaking country



Find out more...

www.manchester.ac.uk/llc
ug.languages@manchester.ac.uk
 t +44 (0)161 275 3211

The University of Manchester is firmly committed to high quality language teaching and we are fortunate to benefit from many native speakers of French among our staff; individuals who, as part of a dedicated language teaching team, will enable you to practise, extend and refine your French language skills.

You have around 15 hours per week of scheduled learning

English Language and French BA 4yrs

UCAS Code QR31

English Literature and a Modern Language (French) BA 4yrs

UCAS Code RQ13

French and Linguistics BA 4yrs

UCAS Code RQ11

French and Screen Studies BA 4yrs

UCAS Code RW16

French Studies BA 4yrs

UCAS Code R110

History and French BA 4yrs

UCAS Code VR11

History of Art and a Modern Language (French) BA 4yrs

UCAS Code RV13

Modern Language and Business and Management (French) BA 4yrs

UCAS Code NR11

French may also be studied at Honours level with another modern language (Arabic, Chinese, German, Hebrew, Italian, Japanese, Portuguese, Russian or Spanish) – see p149. See also European Studies p100, Latin p75, Life Sciences p120, Linguistics p132, Mathematics p140.

Typical offer

A-level: AAA-ABC
 IB: 37-31

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

activities, such as lectures, seminars, language work, coursework 'surgeries' and revision sessions, plus diverse online materials to help your study.

By engaging in discussions and delivering regular presentations in

seminars, you will improve your communication skills. The core language teaching enables you to develop various linguistic skills: speaking and writing accurate French; understanding and analysing audio-visual and written material; using different registers; speaking to a group with confidence; translating with appropriate sensitivity; and mastering the techniques of argument in written French.

Years 1 and 2: Core language course units include intensive small-group teaching supported by independent language learning tasks, in which you can reinforce your skills of linguistic acquisition and independent learning.

Year 3: You spend the year in a French-speaking country, where you can work as a British Council English Language Assistant, go on a work placement, or study at one of our many partner universities (Paris, Lille, Rennes, Lyon, Poitiers, Avignon, Toulouse, Brussels, Geneva, Grenoble, Quebec, Martinique and La Réunion).

Year 4: You further develop your awareness of correct idiomatic and grammatical usage in written and spoken French, and practise skills of mediation between French and English in regular translation exercises.

Alongside the language course units, you may study material over a very wide range and explore new areas, or pursue your existing interests. You can, for example, study units in: aspects of medieval and renaissance society and culture; the evolution of literary and visual texts; theatre and performance; French and Francophone cinema and photography; art; music; linguistics and translation studies, history and thought; gender and sexuality; political and social aspects of Francophonie; post-colonialism; and multiculturalism.

Teaching and learning is supported by the outstanding resources of the University Language Centre and the extensive printed and electronic holdings of the University Library.

A lively student-run French Society organises social events throughout the year, including trips to France. French Studies also enjoys a close relationship with the Manchester branch of the Alliance Française, with the Cornerhouse cinema and the Contact Theatre (French play, Palaver Language Festival).

What you study

Single Honours degree

French Studies

Gives a thorough grounding in the language, society and culture of the French-speaking world. Core language course units – including comprehension, translation, grammar and oral work with native speakers – are complemented by an unusually wide range of subjects, including French culture, society, literature, linguistics, history, thought, art, photography, cinema and performance.

In Year 1, there is an opportunity to develop your own research project. In subsequent years, you can develop these independent research skills further in a guided context according to your chosen topics of study.

In your first two years, you can study one or two course units in another subject (free-choice options) chosen from a very wide range within the Faculty of Humanities.

Joint Honours degrees

In all degree courses below, you study both subjects equally in Year 1, then, in subsequent years, you can maintain this balance, or devote more weight to one subject.

English Language and French

In English Language, course units in the structure, history and varieties of English are complemented by units in general linguistics and sociolinguistics. In French, core language units are complemented by units in French and Francophone culture, society, literature, linguistics, history, thought, art and cinema.

English Literature and a Modern Language (French)

Core French language course units are complemented by a very wide range of other subjects, including areas of English language, cultural theory, and literature, and of French and Francophone culture, society, literature, linguistics, history, thought, art, and cinema. Some French units are taught in French.

French and Screen Studies

Combines the study of French language and French and Francophone culture, society, literature, linguistics, history, thought and art, as offered by Modern Languages, with the study of screen studies. In Screen Studies, you study core course units in understanding film, its history and pre-history, and its development across other media (eg television, DVD, internet distribution).

History and French

Core French language course units are complemented by other units on diverse subjects, including aspects of cultural, political, social, economic, and military history, from ancient times to the current century; and French and Francophone culture, society, literature, linguistics, history, and cinema.

History of Art and a Modern Language (French)

Gives a comprehensive grounding in both the history of art and language and culture in the French-speaking world. Core French language course units are complemented by numerous other units, covering aspects of art from around the world, and art-related thought, from Ancient Greece to the present; and French and Francophone culture, society, literature, linguistics, history, art, thought, and cinema.

Modern Language and Business and Management (French)

In French, core language course units are complemented by units covering aspects of French and Francophone culture, society, literature, linguistics, history, art, photography and cinema. You also study aspects of management, economics, finance, accounting and European and international issues in business.



I have found studying French at university thoroughly enjoyable, particularly as it has given me the chance to study Old French language and history, as well as French etymology and phonology. I cannot wait to embark upon my year abroad in France.

William Brockbank
MML French and Russian





WHY MANCHESTER?

- One of the best-equipped universities at which to study geography in Europe
- Course that is unique in the degree of flexibility it offers you to structure your own programme of study
- Several field courses across all fields of study enable you to learn and meet with staff and students in an informal atmosphere
- Study abroad option for a year, and associated dissertation work



Find out more...

www.manchester.ac.uk/geography
 sed.admissions@manchester.ac.uk
 t +44 (0)161 275 0969

Our teaching and research interests cover most aspects of geography, while our extensive facilities include map and book libraries, audio-visual equipment, laboratories and computer clusters with networked PCs and internet access. Each course has its own induction to help you settle in; for example, Single Honours students begin their degree with a three-day field course in the Lake District. You also get to know your fellow students better through social events organised by the Manchester University Geographical Society.

Geography BA 3yrs

UCAS Code L700

Geography BSc 3yrs

UCAS Code F802

Geography with International Study BA 4yrs

UCAS Code LF78

Geography with International Study BSc 4yrs

UCAS Code FL87

See also *Environmental Science* p99, *Geography and Geology* p87.

Typical offer

Four-year courses

A-level: AAA

IB: 36

Three-year courses

A-level: AAB

IB: 35

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

What you study

Geography

We offer both a BA (Hons) and BSc (Hons) in Geography. Entry requirements, curriculum and career opportunities associated with each are the same. You begin with course units in three main areas: Human Geography, People and Environment, and Physical Geography. You have increasing flexibility as you progress, so that by the final year you will choose three from about 12 course units. Course units cover diverse interests and issues in geography: economic, cultural, political, medical, urban and historical geography; ecology; hydrology; palaeo environments; geoarchaeology; glaciology; climatology; geomorphology; remote sensing; and geographical information systems and science.

Geography with International Study

You may study abroad for Year 3 at a partner university in various European countries, or in Australia, New Zealand, Canada, Hong Kong, Singapore, or the USA. Students who opt to study abroad will graduate in our Geography with International Study Honours course, which runs over four years. Dissertation work is usually related to this period of study.

Career opportunities

Surveys show that geography graduates are very employable. You will offer a range of analytical techniques, including literacy, numeracy and ICT ability, as well as skills in presentation, problem solving and communication. Some of our graduates use geographical skills directly in their careers, such as in environmental work, regeneration, planning, or education. Many others follow a less specialist path in areas such as management, advertising, the media, social services, finance and the legal profession. You could also do postgraduate study, or vocational training.



I've loved studying Geography at Manchester... a wide variety of course units is on offer, with lecturers at the cutting edge of research. You can study anything from rivers and climate change to globalisation and politics, so there's something for everyone.

Stephanie Dylak
 BSc Geography





WHY MANCHESTER?

- International reputation as a leading British centre for German Studies, balancing both tradition and innovation
- Broad range of expertise, including history, politics, film and cultural studies, as well as linguistics and literature
- Exceptional range of courses mirroring the vitality and diversity of German culture
- On-campus branch of the Goethe-Institut's Examination Centre, whose qualifications we are accredited to offer
- Exceptional freedom and flexibility to choose course units that interest you



Find out more...

www.manchester.ac.uk/llic
ug.languages@manchester.ac.uk
 t +44 (0)161 275 3211

English Language and German BA 4yrs

UCAS Code QR32

English Literature and a Modern Language (German) BA 4yrs

UCAS Code RQ23

European Studies and German BA 4 yrs

UCAS Code RR29

See p100.

German and Linguistics BA 4yrs

UCAS Code RQ21

See p132.

German and Screen Studies BA 4yrs

UCAS Code RW26

German Studies BA 4yrs

UCAS Code R210

History and German BA 4yrs

UCAS Code VR12

History of Art and a Modern Language (German) BA 4yrs

UCAS Code RV23

See p149.

Modern Language and Business and Management (German) BA 4yrs

UCAS Code NR12

German may also be studied with Life Sciences p120 and Mathematics p140. It is also possible to study German from beginners' level or post A-level with Arabic, Chinese French, Hebrew, Italian, Japanese, Portuguese, Russian or Spanish p149.

Typical offer

A-level: AAA-BBC

IB: 37-29

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

You are in regular contact with German native speakers from the start of your course, thanks to Manchester's working partnership with the DAAD (German Academic Exchange Service) and the Austrian Cultural Institute.

You'll also have access to rich resources: the holdings of our University Library are outstanding in all areas of German Studies. The Goethe-Institut has a branch in Manchester and supports a wide range of cultural activities in the North West.

As well as helping you to develop your oral and written skills (including German for business purposes), our native speakers keep you abreast of political, social and cultural affairs in the German-speaking countries. We have Erasmus exchanges with the universities of Basel, Berlin, Freiburg, Hamburg, Heidelberg, Innsbruck and Leipzig, and sponsor students to work as English language assistants in schools during the time that is spent in a German-speaking country.

We maintain a lively research culture through regular research seminars and academic conferences. Interdisciplinary research includes work on culture and dictatorship, dialects and language obsolescence, diaspora and minority cultures, Holocaust studies, German art and architecture, and aspects of German culture from the 19th century to the present day.

The German Society is one of the liveliest student societies in the Faculty and maintains a regular programme of events, including the Stammtisch, parties, film nights and theatre trips; the highlight is the annual German play at the Contact Theatre. A recent Brecht production was taken to the Edinburgh Festival, and in 2011 Manchester hosted the intervarsity football tournament, the 'Sauerkraut Cup'.

What you study

In all courses listed below, you have around 15 hours per week of scheduled learning activities, such as lectures, seminars, language work, coursework 'surgeries' and revision sessions.

German Studies

Gives a thorough grounding in German language and culture. Core language course units – including oral work, comprehension, translation and grammar with native speakers – are complemented by diverse subjects, such as German culture, society, literature, linguistics, history, art and cinema. Language teaching takes place in German.

In Years 1 and 2, you may study one or two course units in another subject (free choice options), which can include a second language.

English Literature and a Modern Language (German)

Combines core German language course units and German units in culture, society, literature, linguistics, history, art and cinema, with the study of a broadly chronological journey of literature, from the Anglo Saxon period, through to the present day.

In Year 1, you study both subjects equally; in later years, you can maintain this equal weighting, or devote more weight to one subject. Year 3 is spent in a German-speaking country.

History of Art and a Modern Language (German)

Core German language course units are complemented by numerous other units covering aspects of European and North American art, and art-related thought, from Ancient Greece to the present; and German culture, society, literature, linguistics, history, art, and cinema.

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote more weight to one subject.

Modern Language and Business and Management (German)

Core language course units in German are complemented by units covering aspects of German culture, society, literature, linguistics, history, art, and cinema. You also study aspects of management, economics, finance, accounting and international issues in business.

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote more weight to German. Year 3 is spent in a German-speaking country.

English Language and German

In English language, course units in the structure, history and varieties of English are complemented by units in general linguistics and socio-linguistics. Core language units in German are complemented by courses in German culture, society, literature, linguistics, history, art and cinema.

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote more weight to one subject. Year 3 is spent in a German-speaking country.

History and German

Core German language course units are complemented by other units on very diverse subjects, including aspects of cultural, political, social, economic, and military history, from ancient times to the 20th century, and German culture, society, literature, linguistics, history and cinema.

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote more weight to German. Year 3 is spent in a German-speaking country.

German and Screen Studies

Combines the study of German language, culture, society, literature, linguistics, history, thought and art, as offered by Modern Languages, with the study of Screen Studies. In Screen Studies, you study core course units in understanding film, its history and pre-history, and its development across other media (eg television, DVD, internet distribution).

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote up to two-thirds of your time to one subject. Year 3 is spent in a German-speaking country.

For more information on Modern Languages, see p149.



Studying German at Manchester University, I am surrounded by experts who have helped shape my own research interests. A variety of course options over the years has individualised language learning for me and the year abroad was the cherry on my third-year cake.

Elizabeth Green
MML French and German





WHY MANCHESTER?

- One of the largest concentrations of history experts in the country, and a wide variety of courses
- Scholarship of international standing, as represented by our global reputation for research, which keeps course content cutting-edge
- Library facilities among the very best in the country

History BA 3yrs

UCAS Code V100

History MHist 4yrs

UCAS Code V101

History and Sociology BA 3yrs

UCAS Code VL13

Modern History with Economics BA 3yrs

UCAS Code V136

Politics and Modern History BA 3yrs

UCAS Code VL12

See also *Ancient History p75*, *Ancient History and Archaeology p54*, *History and a Modern Language p149*, *History and American Studies p96*.

Typical offer

MHist and History (Single Honours)

A-level: AAA/AAB

IB: 37

Politics and Modern History

A-level: AAB/ABB

IB: 35-33

History and Sociology; Modern

History with Economics

A-level: ABB/BBB

IB: 33-32

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

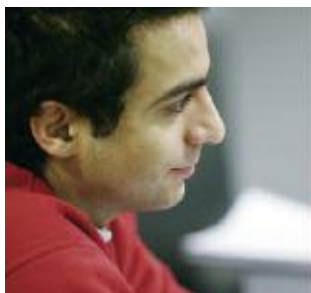
History at Manchester is taught by staff at the very cutting edge of their subjects, who write many of the books and articles that you will read.

Our courses are designed to take maximum advantage of the range and breadth of this expertise, offering history from 800 BC to the late 20th century. As well as offering course units on this broad chronological range, from ancient, through medieval to modern history, we also offer course units in many different kinds of history, including political, social, economic, cultural and gender history.

We encourage you to study a diverse range of types of history and to develop your own original and imaginative approaches to historical study.

Our learning environment is an exciting one, designed to foster a wide range of study skills and research techniques. You are supported by academic advisors, student mentors and a helpful, highly efficient administrative staff, and will also benefit from exceptional computing facilities.

All course units are supported by a comprehensive Blackboard virtual learning environment, and use e-learning to aid student development and ensure you receive timely and constructive feedback on written work.



Find out more...

www.manchester.ac.uk/history

ug-hist@manchester.ac.uk

t +44 (0)161 306 1251

What you study

History

Our most popular and flexible course allows you to choose from a diverse range of course units from history, as well as from the history of science, technology and medicine. You can study many diverse types of history and follow course units in a range of different areas. You can also develop a specialism in a particular area of history, especially through extended pieces of independent coursework at Level 1 and Level 2 and through the Level 3 dissertation.

Final-year units offer in-depth studies, chosen from particular topics in British, European, American, African and Asian history, in one of which you write a dissertation involving independent research.

You may also spend part of your degree studying abroad.

History with Integrated Masters

Currently unique amongst English universities, the Manchester MHist offers a four-year advanced degree course in History. You undertake a three-year History Honours course and, in the fourth year, receive specialist research training while undertaking advanced masters-level course units.

The high entry requirement for this degree reflects the expectation that students of high calibre will compete for entry to achieve a masters-level degree within the existing undergraduate entry system.

Modern History with Economics

You concentrate on the economic, political and social development of societies since 1500. Key subjects are the political history of Europe, the impact of industrialisation, social change and the rise of globalisation. Your final-year dissertation is a major study involving independent research. As part of this degree, you take one course unit in economics in each year.

History and Sociology

You cover past and present societies from both historical and sociological perspectives, comparing and contrasting these different ways of studying humanity. This highly flexible course offers topics relating to a wide historical and geographical range of societies and cultures. By gaining skills across two disciplines, you will be equipped to produce rich and sophisticated research and are able to write a level 3 dissertation in either subject.

Politics and Modern History

One of the best-established courses of its kind in the country. You study the historical development of the modern world, its political systems and its political thought. Year 1 involves broad course units in history, comparative politics and political theory, while Year 2 develops your understanding of a range of distinctive approaches to the two subjects, including course units on the politics and the history of diverse parts of the world. In Year 3, you choose specialised units at the cutting edge of historical and political research and write a dissertation in either subject.

Career opportunities

The skills you acquire as an historian are particularly desirable to employers. You could find work in areas related to your particular degree, or you could consider a wide range of professions and careers for which a good degree, rather than a specific subject, is required. Your ability to manage and analyse diverse data and your literacy and communication skills will be valued highly in the job market.

Many graduates choose to continue their studies by taking a graduate programme at Manchester, or elsewhere. Recent history graduates have entered careers in law, accountancy, banking, popular music, journalism and broadcasting, the Civil Service, management, property development, trade unions and professional associations, social work, teaching and voluntary organisations, the armed services and the police.



Studying History at Manchester is a great experience... there is an abundance of help and resources. My favourite aspect of studying history at Manchester would have to be the links modern history makes with the city of Manchester itself.

Narinder Dosanjh
BA History and Sociology



WHY MANCHESTER?

- A long, distinguished history in human communication, dating back to 1919
- Extensive clinical experience alongside academic and practical work, resulting in courses that prepare you fully for your future career
- NHS-funded Speech and Language Therapy course, meaning no tuition fees for UK and EU students. UK students are also entitled to apply for an NHS bursary.

Healthcare Science (Audiology) BSc 3yrs
UCAS Code B611

Speech and Language Therapy BSc 4yrs
UCAS Code B620

Typical offer

A-level: BBB (Healthcare Science), AAB (Speech and Language Therapy)

IB: 31 (Healthcare Science), 35 (Speech and Language Therapy)

Founded in 1919 as the Department for Education of the Deaf, our Division of Human Communication and Deafness is now part of the School of Psychological Sciences, focusing on the study of audiology and deafness, speech and language therapy, and human communication.

Healthcare Science (Audiology)

**Please note that, as part of the Department of Health's Modernising Scientific Careers (MSC) programme, there have been major changes to the training routes for all healthcare scientist professions. These changes have affected both the structure and the nature of the funding for Audiology courses in the UK.*

The BSc Healthcare Science (Audiology) degree is a new three-year course of entry-level training for clinical audiologists wishing to work in the NHS. Within the MSC framework, audiology has been grouped with neurophysiology and vision sciences, and elements of these areas will also form part of the first year of this new degree course.

We cover theoretical, practical and clinical aspects of audiology and related neurosensory topics. You study academic components in all three years. In Years 1 and 2,

substantial practical skills training takes place in our well-equipped HCD laboratories and clinics. You undertake supervised clinical education and practice within NHS clinics during each of the three years.

What you study

Designed to meet the training needs of audiologists in the NHS, education and private health care services, this degree provides you with a broad understanding of audiological principles, theory and knowledge, which can be translated into thoughtful, reflective and quality practice. We also offer, monitor and evaluate a wide range of appropriate clinical experience within audiology. You acquire transferable skills that promote a commitment to professional development and lifelong learning.

Year 1: General foundation in healthcare science, including general anatomy and physiology and pathophysiology of the neurosensory systems. You learn the technology involved in relation to diagnostic testing procedures and explore the perception of disease and health psychology. We teach you specific techniques for evaluating hearing (and other senses), including brain processing and how we as health care professionals can help improve the quality of people's lives.

You begin to develop your practical skills in conducting various clinical test procedures, including hearing and balance assessments, and you explore and develop communication skills, to allow you to communicate effectively with people who experience hearing loss. Finally, you are introduced to the basic principles and theories that underpin aural rehabilitation. We also explore a patient-centred approach to healthcare delivery. **Includes a ten-week clinical placement.**



Find out more...

www.manchester.ac.uk/psychsci
ug-audiology@manchester.ac.uk
ug-slt@manchester.ac.uk
tel +44 (0)161 275 3389

Year 2: Focuses more on specific areas of audiology, including the more complex aspects of hearing and balance assessments, adult aural rehabilitation, state-of-the-art digital technology, including hearing aids and cochlear implants. As well as broader elements of patient care, you explore public health issues and how healthcare is delivered in the NHS and beyond. You are also introduced to research methods and statistics.

Includes a 15-week clinical placement.

Year 3: Develops your specialist knowledge and understanding in audiological science, and your ability to apply this to clinical practice. You may also choose one subject as an optional course unit from a number of areas, such as: Advanced Hearing Instruments, Introduction to Tinnitus, Introduction to Vestibular Assessment, and Paediatric Audiology. These units enable you to explore the management of particular groups of patients with more complex needs in audiology. You also conduct an individual research project supervised by one of our department's researchers.

Includes a 35-week clinical placement.

Career opportunities

With a BSc (Hons) Healthcare Science degree and a clinical qualification, you can register as an audiologist and work in the NHS, or the independent sector. Alternatively, previous graduates have undertaken further courses, such as the MSc in Advanced Audiology, or go on to study for a PhD. Others have entered the fast-track medicine programme, dentistry and other health-related professions. Further opportunities include research, or employment in private sector audiology services and the audiology industry.

Speech and Language Therapy

Speech and language therapists identify, assess and support the needs of people with swallowing and communication disorders – eg children who have failed to develop some aspect of their communication ability, adults who have acquired communication and swallowing disorders through stroke, adults with learning difficulties, people with voice problems, or people with a stammer. The aim is often to help individuals develop the most effective form of communication within their social environment.

What you study

You develop the core theoretical knowledge and specialist clinical skills required to support the needs of people with communication and swallowing difficulties. All years include academic and practical work, with considerable clinical experience.

Year 1: Covers subjects essential for an understanding of typical speech, language and swallowing, including: anatomy and physiology; audiology; linguistics; lifespan development; and psychology. You go out on local clinical 'taster' placement sessions.

Years 2, 3 and 4: Focuses mostly on specific communication and swallowing difficulties by client group, and clinical experience. You also study clinical linguistics, statistics and research design. You go out on block clinical placements of between four and eight weeks.

Placement settings vary and include community-based visits, hospitals, schools or clinics. You gain experience of working in a professional team, with clients of all ages who have a range of communication and swallowing disorders, developmental and acquired. Placements and associated supervisory support are organised in partnership with speech and

language therapy service providers in the North West. They can be anywhere in this region, so you may need temporary accommodation during your placement.

Funding

All UK and EU students have their tuition fees paid in full by the NHS. Unfortunately, due to funding issues, we are only able to accept applications from EU citizens. UK students may also apply for a means-tested bursary; should you receive this, you are entitled to claim excess travel expenses.

Career opportunities

With a BSc (Hons) Healthcare Science degree and a clinical qualification, you can register as an audiologist and work in the NHS, or the independent sector. Alternatively, graduates can undertake further courses, such as the MSc in Advanced Audiology, or go on to study for a PhD. Others may choose to enter the fast-track medicine programme, dentistry and other health-related professions. Further opportunities include research, or employment in private sector audiology services and the audiology industry.



I have had a wonderful year, enjoyed every moment (well almost, as the anatomy and physiology practicals were slightly daunting!) and learnt so much. I am taking away so much knowledge from my first year.

Maxine Winstanley
BSc Speech and Language Therapy





WHY MANCHESTER?

- Top-rated Italian department in the UK with 100% student satisfaction
- Direct access throughout to leading experts with international research reputations
- Largest available selection of combined BA degrees with Italian
- Only Italian department nationally to offer a four-year IPML (Integrated Professional Master in Languages)
- World-class library holdings in Italian Studies, including the largest collection of early Italian printed books in the world, and an impressive Italian manuscript collection



English Literature and a Modern Language (Italian) BA 4yrs
UCAS Code RQ33

English Language and Italian BA 4yrs
UCAS Code QR33

History and Italian BA 4yrs
UCAS Code RV31

History of Art and a Modern Language (Italian) BA 4yrs
UCAS Code RV33

Italian Studies BA 4yrs
UCAS Code R300

Italian and Linguistics BA 4yrs
UCAS Code RQ31
See p132.

Italian and Screen Studies BA 4yrs
UCAS Code RW36

Modern Language and Business and Management (Italian) BA 4yrs
UCAS Code NR13
See p149 and p58.

Italian may also be studied with Latin p75 and Life Sciences p120. It is also possible to study Italian from beginners' or post A-level, with Arabic, Chinese, French, German, Hebrew, Japanese, Portuguese, Russian or Spanish p149.

Typical offer

A-level: AAA-BBC
IB: 37-29

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Italian Studies at Manchester is a vibrant department that combines innovative teaching methods with expertise in diverse areas, such as cultural history, linguistics, translation studies, visual culture, and history of the book. In 2010 and 2011, our department secured a sector-leading 100% in the National Student Survey, proudly continuing a long-standing tradition of excellent teaching that dates back to the 1880s and the subsequent endowment of the Serena Chair in 1919.

Italian history and culture was of particular interest to the Victorian merchants of northern England, who often imagined themselves in the image and likeness of the great mercantile princes of the late medieval and Renaissance periods.

This inheritance is readily observable in the fabric of Manchester itself, from the Free Trade Hall and the Portico Library, to the John Rylands Library and Manchester Town Hall. We build on this cultural heritage in our teaching, making use of the world-class holdings of early manuscripts and books, prints and paintings, and contemporary literary archives and special collections that these merchants imported from Italy.

In addition, we have a long tradition of leading scholarship in the field of linguistics and history of the Italian language and its dialects, which complements the award-winning language teaching for students in all years and reflects the linguistic vitality and diversity found in Manchester's own Italian diaspora community.

Find out more...

www.manchester.ac.uk/llc
ug.languages@manchester.ac.uk
t +44 (0)161 275 3211

Our undergraduate syllabus is directly linked to the research specialisms of our academic staff, so you are taught and mentored by experts in their field from day one.

Whether your interests lie in the factional politics of the medieval communes and the works of Dante and Boccaccio, in the emergence of Italy as a nation in the 19th century, in the advent and fall of fascism, in the mythology of Renaissance art, in the relation of language forms to social contexts, or the literary forms of the Italian novel, there is something for all tastes.

Whenever possible, we adopt a continual assessment form of blended learning rather than an exam-based approach, drawing on the cultural assets of the University to deliver enquiry-based learning in libraries and museums.

Our language programme is purpose-designed, informed by the latest developments in language pedagogy and delivered by mother-tongue speakers. While face-to-face teaching remains at the heart of the courses, this is supplemented by a range of innovative e-learning techniques that will allow you to access material in multiple formats, link up directly with fellow students in Italy, and even begin establishing friendships prior to arriving at the University.

The Manchester approach

Each year, we accept between 50 and 70 students onto our courses, of whom two-thirds start the language from scratch. We assume no prior knowledge and are confident that the speed and intensity of the course will soon sweep you up in its momentum. If you are unsure of your level, try our pre-registration diagnostic test

online and we'll ensure you start from the right point.

Post A-level candidates, or those with equivalent competency, have a separate course unit in Year 1 that rebuilds where necessary, and builds confidence across the range of reading, writing and spoken skills. Our cultural course units are delivered in both English and Italian and are taught and assessed using a range of innovative teaching techniques that seek to build your competence in transferable skills and e-learning.

Social events are organised by the students throughout the year, especially when you arrive, when you will meet the peer mentors who will have contacted you prior to arrival.

Subsequent study focuses on building strength and competency over all applied language skills, from speaking and writing, to aural and translation work across a range of registers and media. You can also benefit from units that examine business Italian; from involvement with VPal, which connects you by video link to a student in a partner Italian university for conversation; or from taking a language exam validated by the Italian Ministry of Education, if you are thinking of working abroad. We are currently the sole UK examination centre for the PLIDA language qualifications.

For the year abroad, various destinations are available through the Erasmus exchange scheme, plus work placements and teaching schemes. Our web-based facility, ITALRETE, enables students preparing for and studying during the year abroad to contact us, keep in touch with each other and share news through online noticeboards, chat rooms and discussion groups.

What you study

In all courses, you have around 15 hours per week of scheduled learning activities, such as lectures, seminars, language work, coursework 'surgeries' and revision sessions. You also spend Year 3 abroad.

Italian Studies

The fullest immersion and most comprehensive study of Italian language and culture. Core language units are complemented by culture units, which range over a broad chronological and subject spectrum. Language units involve applied language skills, including comprehension, translation, grammar, and oral work with native speakers.

In Year 1, culture units seek to initiate you into the skills required to read Italian culture, with introductory units on Italian linguistic forms, contemporary Italian culture, visual culture and reading medieval and renaissance culture. You then apply these skills in Years 2 and 4. In Years 1 and 2, you may study one or two units in another subject (free-choice options).

English Literature and a Modern Language (Italian)

Core Italian language units are complemented by diverse other subjects, including areas of English language, cultural theory, and literature, and of Italian culture, society, literature, linguistics, history, art, and cinema.

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote more weight to one subject.

History of Art and a Modern Language (Italian)

Core Italian language units are complemented by numerous other units covering aspects of European and North American art, and art related thought, from Ancient Greece to the present; Italian culture, society, literature, linguistics, history, art and cinema.

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote more weight to one subject.

Modern Language and Business and Management (Italian)

Core language units in Italian are complemented by units covering aspects of Italian culture, society, literature, linguistics, history, art and cinema. You also study aspects of management, economics, finance, accounting and international issues in business.

In Year 1, you study both subjects equally; in later years you can maintain this balance, or devote more weight to one subject.

English Language and Italian

In English language, units in the structure, history and varieties of English are complemented by units in general linguistics and sociolinguistics. Core language units in Italian are complemented by units in Italian culture, society, literature, linguistics, history, art and cinema.

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote more weight to one subject.

History and Italian

Core Italian language units are complemented by other units on diverse subjects, including aspects of cultural, political, social, economic, and military history, from ancient times to the 20th century, and Italian culture, society, literature, linguistics, history and cinema.

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote more weight to one subject.

Italian and Screen Studies

Combines the study of Italian language, culture, society, literature, linguistics, history, and art, with Screen Studies. In Screen Studies, you study core course units in understanding film, its history and pre-history, and its development across other media (eg television, DVD, internet distribution).

In Year 1, you study both subjects equally; in later years, you can maintain this balance, or devote up to two thirds of your time to one subject.



I have enjoyed some unique learning. For example this year, a group of us are exploring the world of the book 'beyond the text' in which we're using both manuscripts from the 14th century and iPads to look at Dante's Divine Comedy. How cool is that?

Alex MacDonald
BA Italian Studies





WHY MANCHESTER?

- Wide range of degree courses
- Firm grounding in the language, contemporary culture and society of Japan, with a historically contextualised understanding of Japan's place in the world
- Courses that cater for different needs and levels; language study from beginner to advanced
- Year spent in a Japanese university



Find out more...

www.manchester.ac.uk/llc
ug.languages@manchester.ac.uk
 t +44 (0)161 275 3211

Japan's importance as a global economic and cultural power has long been recognised. Manchester enables you to understand contemporary Japan through its language, culture and history.

What you study

In all courses, you spend Year 3 at a university in Japan to improve your language skills while gaining first-hand knowledge of daily life.

Japanese Studies

You study Japanese language throughout. Core language units develop linguistic skills: speaking

English Language and Japanese BA 4yrs

UCAS Code QT32

Japanese and Screen Studies BA 4yrs

UCAS Code TW26

Japanese Studies BA 4yrs

UCAS Code T200

Linguistics and Japanese BA 4yrs

UCAS Code QT12

See p132.

Modern Language and Business and Management (Japanese) BA 4yrs

UCAS Code TN92

Japanese may also be studied from beginners' or post AS-level alongside Chinese, French, German, Italian, Portuguese, Russian, or Spanish. See p149.

Typical offer

A-level: AAA-ABB

IB: 37-33

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

and writing; understanding and analysing audio, video and written material; using different registers; speaking confidently to a group; and translating with sensitivity. You can also study Japan-related topics such as society, popular culture and religions, drawing on Manchester's wide range of research expertise.

English Language and Japanese

Units in the structure, history and varieties of English complement units in general linguistics and sociolinguistics. Core Japanese language units are complemented by units in areas such as Japanese history, society, popular culture and religions. In Year 4, you study core

language units in Japanese and specialised units in English Language. You also have various optional units. Your degree is awarded as a single class, based on marks in both areas.

Modern Language and Business and Management (Japanese)

You study Japanese language, culture, business and management in global contexts. Core language units are complemented by units covering aspects of management, finance, economics, accounting and international business issues. In Year 1, you study both subjects equally; later, you can maintain this balance, or devote more weight to Japanese. Your degree is awarded as a single class, based on marks in both areas.

Japanese and Screen Studies

Combines Japanese language and culture with screen studies. You study core units in understanding film, its history and pre-history, and its development across other media (eg TV, DVD, internet distribution). In Year 1 you study both subjects equally; later, you can maintain this balance, or devote up to two-thirds of your time on either subject.



This course has... given me the opportunity to study things like history and sociology and the open credits gave me the chance to study a few English language modules in my first year, which was a nice change of pace.

Katharine Hassall
 BA Japanese Studies





WHY MANCHESTER?

- Modern language provision among the largest and most diverse in the UK, with varied, flexible courses
- Training in the modern spoken and written language, through oral classes with native speakers and a range of other activities, such as comprehension and grammar work
- Language study complemented by the study of linguistics, cultures, literature, or histories of countries where those languages are spoken



Find out more...

www.manchester.ac.uk/lhc

ug.languages@manchester.ac.uk

t +44 (0)161 275 3211

Chinese and Japanese BA 4yrs
UCAS Code TT12

Chinese and Japanese IPML 4yrs
UCAS Code TT1F

French and Chinese BA 4yrs
UCAS Code RT11

French and Chinese IPML 4yrs
UCAS Code TR11

French and German BA 4yrs
UCAS Code RR12

French and German IPML 4yrs
UCAS Code RRC2

French and Italian BA 4yrs
UCAS Code RR13

French and Italian IPML 4yrs
UCAS Code RRC3

French and Japanese BA 4yrs
UCAS Code RT12

French and Japanese IPML 4yrs
UCAS Code RT1F

French and Portuguese BA 4yrs
UCAS Code RR15

French and Russian BA 4yrs
UCAS Code RR17

French and Russian IPML 4yrs
UCAS Code RRC7

French and Spanish BA 4yrs
UCAS Code RR14

French and Spanish IPML 4yrs
UCAS Code RRC4

German and Chinese BA 4yrs
UCAS Code RT21

German and Chinese IPML 4yrs
UCAS Code TR12

German and Italian BA 4yrs
UCAS Code RR23

German and Italian IPML 4yrs
UCAS Code RRF3

German and Japanese BA 4yrs
UCAS Code RT22

German and Japanese IPML 4yrs
UCAS Code RT2F

German and Portuguese BA 4yrs
UCAS Code RR25

German and Russian BA 4yrs
UCAS Code RR27

German and Russian IPML 4yrs
UCAS Code RRF7

German and Spanish BA 4yrs
UCAS Code RR24

German and Spanish IPML 4yrs
UCAS Code RRF4

Italian and Chinese BA 4yrs
UCAS Code RT31

Italian and Chinese IPML 4yrs
UCAS Code TR13

Italian and Japanese BA 4yrs
UCAS Code RT32

Italian and Japanese IPML 4yrs
UCAS Code RT3F

Italian and Portuguese BA 4yrs
UCAS Code RR35

Italian and Russian BA 4yrs
UCAS Code RR37

Italian and Russian IPML 4yrs
UCAS Code RRH7

Italian and Spanish BA 4yrs
UCAS Code RR34

Italian and Spanish IPML 4yrs
UCAS Code RRH4

Japanese and Portuguese BA 4yrs
UCAS Code TR25

Portuguese and Chinese BA 4yrs
UCAS Code RT51

Russian and Chinese BA 4yrs
UCAS Code RT71

Russian and Chinese IPML 4yrs
UCAS Code TR17

Russian and Japanese BA 4yrs
UCAS Code RT72

Russian and Japanese IPML 4yrs
UCAS Code RT7F

Russian and Portuguese BA 4yrs
UCAS Code RR57

Russian and Spanish BA 4yrs
UCAS Code RR74

Russian and Spanish IPML 4yrs
UCAS Code RR47

Spanish and Chinese BA 4yrs
UCAS Code RT41

Spanish and Chinese IPML 4yrs

UCAS Code TR14

Spanish and Japanese BA 4yrs

UCAS Code RT42

Spanish and Japanese IPML 4yrs

UCAS Code RT4F

Spanish and Portuguese BA 4yrs

UCAS Code RRK5

Typical offer

A-level: AAA-BBB

IB: 37-31

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

What you study

Modern Languages

Duration: Four years.

You study two languages. If one is French, you will need an A-level in French. Chinese, German, Italian, Japanese, Portuguese, Russian, or Spanish may be studied at beginners' level, in combination with another post A-level language. Degrees are awarded as a single classification based on your marks in both languages.

Year 1: You study each language equally.

Years 2 and 4: You may choose to devote up to two-thirds of your available credits to either language.

Year 3: Spent abroad. You have considerable freedom to tailor this year: you may spend up to 32 weeks in one country, with eight weeks in a country where the other language is spoken; you may divide your time equally between countries where either language is spoken, or choose from a range of options in between.

You complete a 'learning log' while abroad to develop understanding of the areas where you are staying and keep you in touch with Manchester.

Some courses require additional work that contributes to your degree classification. NB If you began a language *ab initio* (ie no previous knowledge required) in Year 1, you are expected to spend at least 16 weeks in a country where that language is spoken in Year 3.

Integrated Professional Master in Languages (IPML)

Duration: Four, five or six years. These challenging, enhanced-level undergraduate courses enable you to reach an outstanding level of expertise in any two of the following: Chinese, French, German, Italian, Japanese, Russian and Spanish. You must have an A-level in both languages. These unique courses offer you a distinctive combination of academic and professional training

Course structure

Four-year pathway

Year 1: You study both languages and have the option to take a third.

Year 2: Semester 1 in Manchester studying both languages. Semester 2 studying language 1 at a partner institution (with the option of continuing language 3). Summer vacation abroad in a professional environment (language 2).

Year 3: You study both languages in Manchester and have the option of taking a career management course. Summer vacation abroad in a professional environment (language 1 and/or 2).

Year 4: Masters-level course units, including: dissertation, research training, professional development and translation and interpreting.

Five-year pathway

As above* except you spend one full year abroad in either Year 3 or Year 4 (with at least 16 weeks in a professional environment), plus an eight-week summer vacation period abroad (in a professional environment).

Six-year pathway

As above* except you spend two full years abroad in Years 3 and 5 (with at least 16 weeks of each year spent in a professional environment).

*Please note that the structure of the five and six-year pathway will differ slightly from the four-year pathway due to the period of time abroad. However, all academic content will remain unchanged.

See Modern Languages, p149, for more information. For more details on the following languages, please also see: Chinese p70, French p101, German p104, Italian p110, Japanese p113, Portuguese p180, Russian p172, Spanish p180.



Studying two languages has given me the opportunity to meet such a variety of different people. Being taught by native speakers has improved my ability and not only allowed me to become immersed in the language, but learn about two completely different cultures.

Katherine Grantham
BA German and Italian



LANGUAGE, LITERACY AND COMMUNICATION

WHY MANCHESTER?

- Research project providing opportunities to travel abroad or gain experience in a work or study setting
- Unique way to study the emerging field of literacy alongside the more established areas of English language and communication
- Small year group with a maximum of 35-40 students, offering a positive learning environment, and the chance to develop close relations with fellow students and tutors



Find out more...

www.manchester.ac.uk/education
ug-education@manchester.ac.uk
t +44 (0)161 275 3463

Language, Literacy and Communication is unique in bringing together three interrelated areas that are of major contemporary significance.

Language: Leads to an understanding of the complex nature of language as a form of human communication, including the psychological and sociological aspects of language and its structure and acquisition.

Literacy: Examines literacy in schools and in society, at home and abroad.

Language, Literacy and Communication BA 3yrs
UCAS Code Q1X3

Typical offer

A-level: AAB-BBB
IB: 31-36 overall (core points accepted), including a minimum of 5, 5, 5 in Higher Level subjects
For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Looks at how we learn the skills of reading and writing, how we use them to communicate thought, and what prevents people from being literate.

Communication: Includes interpersonal and intercultural communication and focuses on various forms: verbal and non-verbal, computer-mediated, group communication and the mass media.

What you study

Year 1: Phonetics, grammar, literacy in society, communication in society, reading processes, group processes, computer-mediated intercultural communication, digital study skills and academic writing, and understanding research. You can also register for 20-credit options from a range throughout the Faculty of Humanities.

Year 2: Words and context, conducting fieldwork, literacy and social development, mass media, a career management unit and a research project. Through the research project, you may develop self-reliance and gain experience of planning and conducting research on a chosen topic. It can take place as part of overseas study, in a place of work or study in the North West, or in other work or study settings in Britain or abroad.

Year 3: You choose from a range of course units across each of the three strands, including: bilingualism,

helping children with reading difficulties, discourse and narrative analysis, TEFL, special educational needs, metaphor, classroom communication and learning, reading film, and workplace communication. You also undertake a dissertation on any topic within the three degree disciplines, offering you in-depth study in a favoured area.

Career opportunities

Our graduates enter a wide range of careers, including teaching, media, management, personnel, publishing, counselling, interpreting, charity, private sector and development work. The research project and dissertation allow you to tailor your study to suit your career aspirations. Former students now work in the charity sector, human resources and print journalism after course placements in relevant companies, while the areas of study relating to special needs also support careers in charities that serve people with disabilities. Based in the School of Education, your degree also provides a solid foundation for a primary PGCE, work with second-language learners and adult literacy.



My favourite course unit was Computer-Mediated Intercultural Communication, in which we had an e-partner from Indonesia with whom we discussed a topic chosen by us... it was really interesting to experience intercultural communication through a computer and reflect on it, finding out much about how we can improve communication skills.

Mariana Abreu Cerqueira
BA Language, Literacy and Communication





WHY MANCHESTER?

- Long-standing reputation as a distinguished centre of research, dating from 1872
- Research-led teaching centre with staff from high profile academic and professional backgrounds, including lawyers, criminologists and ethicists
- Two industry-funded Legal Advice Centres, offering you hands-on experience in pro-bono legal work
- Rigorous grounding in the law and its techniques, plus a sound appreciation of its theoretical and policy implications, and of the links between law and society
- Distinguished history of Criminology teaching - courses in crime, policing and criminal justice offered since the 1970s



Find out more...

www.manchester.ac.uk/law
ug-law@manchester.ac.uk
 t +44 (0)161 306 1271/275 5590

Manchester School of Law is held in high esteem by the legal profession. Many serving judges are Manchester graduates or former academics (including Baroness Scotland, one of the first female Law Lords, a judge of the highest of all English courts), and

Criminology BA 3yrs

UCAS Code M901

Law LLB 3yrs

UCAS Code M100

Law with Criminology LLB 3yrs

UCAS Code M1M9

Law with Politics BA 3yrs

UCAS Code M1L2

Law with Politics LLB 3yrs

UCAS Code LM21

Typical offer

Law/Law with Criminology LLB

A-level: AAA

IB: 37

LNAT

(National Admissions Test for Law)

Law with Politics BA/LLB

A-Level: AAB

IB: 35

LNAT

(National Admissions Test for Law)

Criminology BA

A-level: ABB

IB: 33

many leading solicitors' firms provide us with sponsorship.

In the last HEFCE teaching assessment exercise, our School was rated "excellent" for teaching and we regularly achieve top ratings in national rankings of university law schools. You will be exposed to a breadth of scholarship at Manchester.

Every Manchester Law graduate with a Lower Second class Honours degree or above is guaranteed a place at one of the branches of the College of Law and BPP, to study on the Legal Practice Course or the Bar Professional Training Course.

We have a full-time staff of around 68 academics, whose areas of interest encompass diverse subjects and approaches, including private law, public law, European and

international law, criminal law and justice, law and economics, environmental law, legal theory, human rights, health care law and philosophy. Criminology areas of interest include drug policy and use, policing, organised crime and gangs and offender management and reintegration.

Although most of our students enter with three good A-levels, we are equally interested in those returning to education with alternative entry qualifications, or who have shown evidence of recent academic achievement on top of their work experience.

What you study

For detailed information on all our courses, including further information on course unit content, visit the School's website: www.manchester.ac.uk/law/undergraduate

LLB

Our largest undergraduate degree course covers the core subjects of legal study and provides you with an extensive range of optional subjects to suit particular interests and career plans. As a Qualifying Law Degree, it provides exemption from the Common Professional Examination (CPE), which is otherwise required if you wish to become a barrister or solicitor.

Year 1: Six course units, three in each semester: Legal Method, Contract, Public Law I, Public Law II, Criminal Law, and Tort.

Year 2: Six course units across the two semesters: four compulsory (Equity and Trusts, Land Law, European Community Law, and Jurisprudence), plus two options of your choice.

Year 3: Six units from a long list of options. You may submit a dissertation in place of one of these subjects.

LLB Law with Criminology

This degree builds on the many links between law and criminology. Many of our staff take a socio-legal approach to their research and teaching, which is well suited to this course.

By taking law and criminology in one interdisciplinary School, as compared to taking a course run jointly by two different Schools, you enjoy an integrated course that allows many topics to be approached from the viewpoint of both disciplines. Some subjects are taught by criminologists and lawyers working together. Some teaching staff research on topics such as sentencing and the treatment of victims of crime, which require an understanding of both disciplines.

Track 1: You major in 'core' law subjects and graduate with a qualifying law degree.

Track 2: You specialise increasingly in criminology or specialist law subjects of your choice.

Law with Politics (LLB/BA)

These Joint Honours courses build on the many links between politics and law. Our expertise makes Manchester an especially good place to study in this increasingly important field.

We provide you with a solid and comprehensive grounding in key legal principles, as well as enabling you to specialise in particular law areas of interest in later years. In politics, we introduce you to leading approaches in areas such as international relations and European politics, as well as core theoretical concepts. Building on this foundation, you may follow your particular interests within the field of politics in Years 2 and 3.

The LLB Law with Politics is a Qualifying Law Degree (QLD). With

BA Law with Politics you may choose whether or not you wish to obtain a QLD at the start of Year 2.

Criminology (BA)

Criminology is an exciting and rapidly developing area of study. Solidly based in the disciplines of sociology, psychology and law, our degree offers you an excellent opportunity to study crime and the criminal justice system, taught by a team of criminologists with extensive research experience.

This course helps you to understand why crime has become a pressing social problem, how criminal behaviour is related to other social issues and how the challenges facing the criminal justice system are researched. It provides you with the necessary skills to interpret complex data and policy debates within the field of criminology. You develop skills relevant to various key professions in criminal justice and crime reduction, including the police, prisons, offender management, youth justice, community safety and legal practice.

Career opportunities

Law

If you want to practise as a solicitor or barrister, our LLBs cover all the subjects required to qualify for exemptions at the next stage in your training. Our School has strong links with the legal professions and public services, and our graduates have a good record of securing employment in the legal and other professions. Careers advice is available from a dedicated law careers advisor. We also offer a careers education programme, GILP (Getting into the Legal Profession). Our director of external relations and the Bar Liaison Officer provide further information about the legal

profession. Major law firms contribute to these sessions. You may also receive advice on non-law careers as an extension of this programme.

Criminology

Our Criminology course provides you with the depth of knowledge and skills required for both developing a relevant career in the field of criminal justice and pursuing further study and research. You may attend skills training courses that have units aimed at employment in general and more specialist careers, including criminal justice and crime reduction. Your strong academic base will help career prospects in diverse criminal justice-related professions, such as the police, security services, private security, probation service, courts services, prison service and local authority community safety departments.



I was attracted by the chance to work at the the University Legal Advice Centre. I thought this made Manchester unique in that it gives students the opportunity to gain hands-on experience, allowing them to convert the black letter of the law learnt in lectures into more practical legal advice for real life situations.

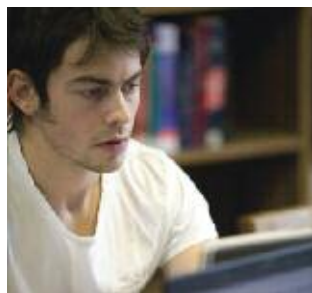
Sophie Taylor
Law LLB



LEARNING DISABILITY STUDIES

WHY MANCHESTER?

- Course that aims to bring about real change in the lives of learning disabled people by working in partnership with them
- Placements geared towards your personal interests undertaken in a regional learning disability service of your choice



Find out more...

www.manchester.ac.uk/education
ug-education@manchester.ac.uk
t +44 (0)161 275 3463

Learning Disability Studies encourages you to think critically about disability and difference and to examine how and why services for learning disabled people have developed as they have. It also aims to critically evaluate current developments in the field of learning disability in order to prepare you for various work roles in the areas of social care and/or education.

Learning Disability Studies

BA 3yrs

UCAS Code B760

Typical offer

A-level: ABB-BBB

IB: 30-28

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

Our degree is based upon inclusion and social and contemporary models of disability. In partnership with other institutions and organisations, our academic staff are involved in analysing and monitoring the implementation of Government recommendations in the field of learning disabilities.

Please note: Participation on this course is subject to the University receiving a satisfactory Criminal Records Bureau Disclosure. If the University does not receive what it considers to be a satisfactory outcome from the Criminal Records Bureau, you will be withdrawn from the course.

What you study

Year 1: You study six course units. These embrace a wide range of subject areas, such as Inclusion, Citizenship and Relationships, Learning Disability Policy and Practice, and Introduction to Disability Studies.

You undertake a 40-day placement, allowing you to practise your skills and contribute to a service. You also have the opportunity to choose options from across the School or University to supplement your core course.

Year 2: You study five units covering subjects such as Gender, Sexuality and Identity, Disability Policy and Practice, Disability

Studies and the Law and Research Methods. You also undertake another 40-day practical placement.

You have the opportunity to choose options from across the School or University to supplement your core course.

Year 3: You study the management of learning disability services, research in partnership with learning disabled people and the ethics and politics of learning disability services. You also complete a dissertation based on a chosen area of research, and choose options from across the school or university to supplement your core course.

Placements

Geared towards your personal interests, these can be undertaken in a learning disability service or school of your choosing, so long as it is within a reasonable travelling distance of the University. Every effort will be made to accommodate you.

Career opportunities

This degree is designed to prepare you for work in a range of learning disability services, particularly in social care and education. This includes statutory services run by Local Authorities and the rapidly developing voluntary and private sectors.

Some of our graduates become managers of services, team leaders, or lecturers in further education colleges, teaching students who have learning difficulties. Others go on to postgraduate research and academia, or find employment in more specialised settings, such as supported employment projects, advocacy projects, transition support, mentoring and leisure and outdoor pursuits.



WHY MANCHESTER?

- Innovative teaching techniques, state-of-the-art facilities and tutors who are leading experts from across the breadth of the life sciences
- Opportunity to join a dynamic community of scientists working at the cutting edge of research
- One of the best life science faculties in Europe for teaching and research quality



Find out more...

www.manchester.ac.uk/lifesciences
 ug.lifesciences@manchester.ac.uk
 t +44(0)161 275 5032

THREE-YEAR DEGREES AND DEGREES WITH A YEAR OF PROFESSIONAL EXPERIENCE:

Anatomical Sciences BSc 3yrs
 UCAS Code B110

Anatomical Sciences with Industrial/Professional Experience BSc 4yrs
 UCAS Code B111

Biochemistry BSc 3yrs
 UCAS Code C700

Biochemistry with Industrial/Professional Experience BSc 4yrs
 UCAS Code C701

Biology BSc 3yrs
 UCAS Code C100

Biology with Industrial/Professional Experience BSc 4yrs
 UCAS Code C101

Biology with Science and Society BSc 3yrs
 UCAS Code C1V3

Biology with Science and Society with Industrial/Professional Experience BSc 4yrs
 UCAS Code C1L3

Biomedical Sciences BSc 3yrs
 UCAS Code B940

Biomedical Sciences with Industrial/Professional Experience BSc 4yrs
 UCAS Code B941

Biotechnology BSc 3yrs
 UCAS Code C560

Biotechnology with Industrial/Professional Experience BSc 4yrs
 UCAS Code C561

Cell Biology BSc 3yrs
 UCAS Code C130

Cell Biology with Industrial/Professional Experience BSc 4yrs
 UCAS Code C131

Developmental Biology BSc 3yrs
 UCAS Code C141

Developmental Biology with Industrial/Professional Experience BSc 4yrs
 UCAS Code C143

Genetics BSc 3yrs
 UCAS Code C400

Genetics with Industrial/Professional Experience BSc 4yrs
 UCAS Code C401

Life Sciences BSc 3yrs
 UCAS Code C102

Life Sciences with Industrial/Professional Experience BSc 4yrs
 UCAS Code C105

Medical Biochemistry BSc 3yrs
 UCAS Code C724

Medical Biochemistry with Industrial/Professional Experience BSc 4yrs
 UCAS Code C741

Microbiology BSc 3yrs
 UCAS Code C500

Microbiology with Industrial/Professional Experience BSc 4yrs
 UCAS Code C501

Molecular Biology BSc 3yrs
 UCAS Code C720

Molecular Biology with Industrial/Professional Experience BSc 4yrs
 UCAS Code C702

Neuroscience BSc 3yrs
 UCAS Code B140

Neuroscience with Industrial/Professional Experience BSc 4yrs
UCAS Code B143

Pharmacology BSc 3yrs
UCAS Code B210

Pharmacology with Industrial/Professional Experience BSc 4yrs
UCAS Code B211

Pharmacology and Physiology BSc 3yrs
UCAS Code BB12

Pharmacology and Physiology with Industrial/Professional Experience BSc 4yrs
UCAS Code BBC2

Physiology BSc 3yrs
UCAS Code B120

Physiology with Industrial/Professional Experience BSc 4yrs
UCAS Code B121

Plant Science BSc 3yrs
UCAS Code C200

Plant Science with Industrial/Professional Experience BSc 4yrs
UCAS Code C202

Zoology BSc 3yrs
UCAS Code C300

Zoology with Industrial/Professional Experience BSc 4yrs
UCAS Code C301

DEGREES WITH A MODERN LANGUAGE:

Anatomical Sciences with a Modern Language BSc 4yrs
UCAS Code B114

Biochemistry with a Modern Language BSc 4yrs
UCAS Code C705

Biology with a Modern Language BSc 4yrs
UCAS Code C106

Biomedical Sciences with a Modern Language BSc 4yrs
UCAS Code B9R9

Cell Biology with a Modern Language BSc 4yrs
UCAS Code C132

Developmental Biology with a Modern Language BSc 4yrs
UCAS Code C1R9

Genetics with a Modern Language BSc 4yrs
UCAS Code C402

Life Sciences with a Modern Language BSc 4yrs
UCAS Code C103

Microbiology with a Modern Language BSc 4yrs
UCAS Code C502

Molecular Biology with a Modern Language BSc 4yrs
UCAS Code C722

Neuroscience with a Modern Language BSc 4yrs
UCAS Code B144

Pharmacology with a Modern Language BSc 4yrs
UCAS Code B212

Physiology with a Modern Language BSc 4yrs
UCAS Code B122

Plant Science with a Modern Language BSc 4yrs
UCAS Code C201

Zoology with a Modern Language BSc 4yrs
UCAS Code C303

COGNITIVE NEUROSCIENCE AND MNEUROSCI DEGREES:

Cognitive Neuroscience and Psychology BSc 3yrs
UCAS Code BC18

Cognitive Neuroscience and Psychology with Industrial/Professional Experience BSc 4yrs
UCAS Code BCC8

Neuroscience MNeuroSci 4yrs
UCAS Code B141

Typical offer

A-level: AAA-ABB
IB: 37-33

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Interviews

All applicants who meet, or are considered likely to meet, our academic entry requirements, have a suitable personal statement and references and live in the EU will be interviewed.

Life sciences include the most dynamic and groundbreaking sciences. We are continually gaining a deeper understanding of the actions and interactions of genes, molecules, cells, systems, individuals and populations. This knowledge provides a wealth of opportunities – from developing new drugs and therapies to fight disease, to generating new sources of fuel and engineering higher yielding crops.

Our Faculty of Life Sciences is one of the best in the country for both research and teaching quality. If you decide to study with us you will benefit from state-of-the-art facilities, innovative teaching

techniques and tutors who are leading experts from across the breadth of life sciences.

Outside of the lecture theatres and labs, opportunities exist to do field courses in Europe, Africa and Central America, to undertake a placement in an institution almost anywhere in the world, and even to plan the set up of your own biotechnology company.

Research credentials

Life sciences is an exciting and fast-moving area, so it is important that you undertake your first degree in an interdisciplinary, active research environment. We have expertise in many areas of life sciences, ranging from molecules to cells, plants to animals, biomedical to population studies.

Our Faculty of Life Sciences has been rated one of the leading centres for life sciences research in the UK. In the latest independent Research Assessment Exercise (RAE), 95% of our research was classified as being of international significance and we were ranked second in the country in terms of research power. For more detailed information on our RAE results, see: www.manchester.ac.uk/l/aboutus/factsandfigures

We have more than 1,000 people involved in research and we hold more than £100 million in research grants and contracts. We have recently spent over £150 million on state-of-the-art research facilities, which encompass a staggering 28,000m² of research space.

Why is our research relevant to you?

Our curriculum is informed by our research, so you will have opportunities to learn cutting-edge science, taught by the researchers who have discovered it. You may also make your own contribution

to our research if you choose to carry out a project in the laboratories of these leading scientists in your final year.

Our international reputation in research will directly benefit you as an undergraduate, as you will leave us with a degree from a major research-intensive university.

Innovative teaching

Our teaching was rated "excellent" in the latest independent review. The Faculty innovates in teaching methods: for example, the use of computer-based eLearning and student support. The University of Manchester is also the UK pioneer for implementing the student-led Peer Assisted Study Scheme (PASS), and the scheme within the Faculty of Life Sciences is the largest in the UK.

As well as traditional lectures, teaching is conducted in informal tutorials, seminars, laboratory sessions and field courses, giving you plenty of opportunity to interact with staff and other students in small groups. Your personal advisor will meet with you individually on a regular basis throughout your course, and with your tutorial group every week throughout your first year. This advisor will monitor your progress, give you advice on choice of optional units, and generate references for placements/ employment/ postgraduate study.

We currently have 230 academic staff and approximately 2,000 undergraduate students. This comfortable ratio of staff to students ensures the quality of your learning experience and allows a friendly and informal atmosphere in which you are encouraged to play an active role.

We actively seek your views on your course through our student-

staff liaison committee and include reps from all courses in every Education Board meeting, so we act on your feedback to make improvements. New initiatives have included setting up final-year student discussion groups and introducing an electronic marking system to ensure students get rapid, bespoke feedback on their assignments.

All of this has resulted in an overall mean student satisfaction score of 92% from our 2011 graduates in the National Student Survey.

For more details on our extensive activities, contact us and ask for our Faculty brochure, or visit our website. To come and look round our facilities, contact our Recruitment and Admissions Office staff, who will be delighted to organise a personal tour for you with a student ambassador at a mutually convenient time.

Breadth and flexibility of courses

Choice and flexibility are the hallmarks of our courses. The breadth of our research affords us expertise in a range of areas, allowing us to offer degree courses in more than 20 life science disciplines.

All first-year courses have a common core of units introducing fundamental concepts. This means you can transfer between most degree courses at the end of your first year and, in some cases, later. If your interests include subjects outside Life Sciences, we offer degrees with a language, or you can choose optional units from the entire range offered by the University, with popular choices including law, language and business.

What you study and how you learn

Your timetable will be demanding. You will have up to 20 hours of formally timetabled lectures, tutorials and practicals each week, and you are expected to spend at least as much time in independent study. As well as the lecture and practical units, important features of all three years are the small-group seminars and tutorial teaching on topics relevant to your degree subject area, which develop your oral and written communication, IT, team-working and problem-solving skills. A key transferable skill required of a life scientist is the ability to work with others, so teamwork is an important and integral part of all courses from the outset.

Year 1: A broad introduction to the life sciences covering key topics, most of which are arranged in units of 22 lectures.

Most lecture units have an element of electronic learning (eLearning), in which interactive computer packages present material that is supportive of, or additional to, lecture content. They also provide feedback on your work as you learn, to improve your understanding.

Laboratory and analytical skills are taught in stand-alone practical units in each semester and, for some courses, in residential field courses (held during vacations). First-year teaching is supported by the Peer-Assisted Study Scheme (PASS), in which more senior undergraduates host open discussions about lecture material, facilitate group work on demanding material and provide advice on pastoral issues.

Year 2: You start to specialise, selecting 12 units from more than 30, all of which can be used toward a range of our related

degree courses. Most break new ground; others extend topics from your first year.

You also prepare for independent research, either in the form of laboratory skills training, or in-depth experience of primary and grey literature/media interpretation and searching, depending on your interests. This training builds on skills developed in your first year and provides the generic techniques and course specific expertise required to allow you to embark on a research placement, or your final-year research project.

You undertake a dissertation, many of which are supervised by members of our research staff, giving you the opportunity to get first-hand knowledge of current research.

Most courses also offer opportunities for you to study abroad in another university in Europe, the USA, Canada, Hong Kong, Singapore, or Australia for a semester in your second year.

Year 3: (for four-year degrees with Industrial/Professional Experience or a Modern Language only): Spent on placement in the UK or overseas – see Placements section below.

Final year: You focus on the research activities of the Faculty and take advanced units from a generous choice of options. Some courses specify most of the units you will take, while others allow you to concentrate on your preferred speciality, or select a more varied programme of units. These advanced course units include lectures, seminars, specialised practicals and directed reading.

Your research project is a major element of your final year. This may involve extensive supervised practical work in a research laboratory, or you may choose to work on science media, eLearning,

educational, data-analysis, bioinformatics, or enterprise topics. The project brings you into close contact with postgraduates and other research workers in the Faculty, and gives you first-hand experience of the demands and rewards of original research. For more details, visit:

www.manchester.ac.uk/ls/undergraduate/courses/modules/finalyearprojects
or <http://bit.ly/s6YzL8>

Placements

Placements provide valuable work experience that will help you clarify your career objectives and give you an advantage in today's competitive employment market. Most of our degree courses are available as a four-year course, where your third year is spent on a research placement in the UK or overseas. There are two types: 'with Industrial/Professional Experience' and 'with a Modern Language.'

With Industrial/Professional Experience: You undertake a research placement, usually in an industrial or international research organisation. We have links with over 200 organisations to help you find a placement appropriate to your degree course and in line with your interests. We currently offer placements in North America, Africa, Asia, Australia and many European countries, as well as throughout the UK.

With Language: You undertake research at a university in a country where your chosen language of study is spoken (we currently offer degrees with French, Spanish, German, Italian, Mandarin Chinese and Japanese). Please note: the 'with Language' courses have specific language entry requirements – see: www.manchester.ac.uk/ugcourses

Careers and employability

After investing three or more years at university, you'll want to know that you can compete for the very best jobs. Life science employment prospects are excellent. In the last few years, those companies and organisations that regularly recruit large numbers of graduates have rated Manchester students amongst the most employable in the country.

On graduation, about 50% of our students choose to pursue a career closely related to their Life Sciences degree. Many progress on to study for further qualifications, such as an MSc, MRes, or PhD. Other recent graduates have found work in the pharmaceutical and agrochemical industries, medical technology, research institutes and government agencies.

The remaining 50% of graduates are highly sought after by the large multinational organisations and use their well-developed transferable skills to enter careers in management, accountancy, marketing, law, publishing and more.

From the start of your degree we focus on building the skills that will make you attractive to future employers. You will develop transferable skills in your tutorials and there are numerous opportunities for you to apply them in placements, projects and working for the Faculty. We offer:

- Industrial/professional placement years
- Summer placements in our research laboratories
- Enterprise projects in collaboration with entrepreneurs from biotechnology companies

- Jobs as Student Ambassadors, representing the Faculty to prospective applicants
- Roles as PASS Leaders, facilitating the learning of first year undergraduates
- Roles as Course Representatives, representing the views of your fellow students to staff

Many of our graduates have told us that having experience like this has made them stand out from the crowd when applying for jobs.

Contact us for our careers brochure, or visit our website for more information:

www.manchester.ac.uk/ls/undergraduate/careers
or <http://bit.ly/vUCNs2>

What you study

Anatomical Sciences

Anatomical Sciences with a Modern Language

Anatomical Sciences with Industrial/Professional Experience

These courses are for you if you are interested in modern aspects of biology relevant to human structure and function. They cover structure from the whole individual to the sub-cellular level, and relate structure to function in the adult and during embryonic development. The emphasis is on the study of human anatomy, but other mammals are studied where appropriate.

Biochemistry

Biochemistry with a Modern Language

Biochemistry with Industrial/Professional Experience

These courses consider the chemistry of the substances and processes occurring in living cells and tissues. Biochemistry forms the basis of virtually all life science and many exciting discoveries made in this subject have contributed to our understanding of life, the solving of medical problems, and to the discovery and production of safe and effective drugs.

Biology

Biology with a Modern Language

Biology with Industrial/Professional Experience

These courses offer you a broad biological course where early specialisation is avoided. A wide spectrum of training in the biological sciences is offered by staff who are specialists in their chosen subject areas.

Field courses offer the opportunity for practical experience of different environments and organisations. These take place in locations in the UK and abroad, chosen for the richness and interest of their flora and fauna. You are free to choose to take one or more field courses.

“

I've always been passionate about science, but now I'm even more so. My year of industrial experience with AstraZeneca really made a difference – I loved working in a 'real' department to find results that mattered, surrounded by people who are as motivated as I am about cancer research. My ideal job is now to go into pharmaceuticals and be a researcher – or to bring my passion into teaching.

”

Cheryl grew up in Wythenshawe, Manchester. Although interested in science, she wasn't sure exactly what to study, so left school at 17 and took on temporary work, eventually securing a permanent role with a small local business. She progressed quickly, becoming a customer service manager at just 21 – but her love for science prevailed and, after a fast-track Access course, Cheryl applied to study Biochemistry at The University of Manchester.

“I considered moving away from Manchester, to try somewhere new – but it didn't make sense. Why move for the sake of it, when there's such a great university on my doorstep, with world-class buildings like the Michael Smith building, and brilliant research facilities? It costs a lot of money to supply facilities for, say, a three-month student project – not all universities would be able to fund that, to give you that experience for your CV. The funding makes a difference here.”

Discover Cheryl's thoughts on Manchester's social scene, winning a departmental award and being a University ambassador:

www.manchester.ac.uk/ug/profiles

MANCHESTER
MADE ME...

PASSIONATE ABOUT SCIENTIFIC RESEARCH

Cheryl Petit, 26, from Manchester
Biochemistry with Industrial Experience

Biology with Science and Society

Biology with Science and Society with Industrial/Professional Experience

Do you want to see the life sciences as part of society? This course is designed for students who want a broad biological course, but who also wish to set the biosciences in their contemporary social context. It offers a wide range of training from staff at the world-renowned Centre for the History of Science, Technology and Medicine.

Specialist areas of staff include the critical history and social implications of genetics, evolutionary theory, biomedical sciences and modern medical practice.

You will explore the changing social, ethical and political dimension of life sciences, while also developing research, writing and communication skills. If you like science, but you also like humanities and social studies, this is the course for you.

Biomedical Sciences

Biomedical Sciences with Industrial/Professional Experience

Biomedical Sciences with a Modern Language



Improvements in healthcare continue to be driven by dramatic advances in life sciences. This course gives you broad, up-to-date training in a wide range of medically related disciplines. Its flexibility and the strong practical component provide a sound basis for a career at the forefront of medical research. Other attractive careers exist in the pharmaceutical industry, in laboratories and organisations linked with the health services, and in journalism.

Above all, Biomedical Sciences is aimed at people who want to make a fundamental contribution to the current revolution in medical science.

Biotechnology

Biotechnology with Industrial/Professional Experience

These courses blend our science and technology provision. They are complemented by units incorporating aspects of business management, industrial technology and entrepreneurial skills.

The commercial exploitation of biological systems has had a major impact commercially over the last decade and will continue to grow in the post-genomic era, in areas ranging from drug discovery, to stem cell research and genetic engineering.

These courses are designed to produce graduates who have a solid understanding of science, technology, and business management, along with the entrepreneurial skills required to exploit technological advances within a competitive environment that will be invaluable to future employers.

Cell Biology

Cell Biology with a Modern Language

Cell Biology with Industrial/Professional Experience

These courses are concerned with how cells function, both individually and within organisms. Cell biology integrates other life sciences, such as biochemistry and molecular biology, to explain the structure and function of cells. You also consider how cell diversity arises and how cells cooperate and communicate with each other in normal tissues and in developing embryos.

Cell biology is one of the major growth areas of life sciences in the post-genomic era and uses new technologies, including cell culture, manipulation of genes, monoclonal antibodies and advanced light and electron microscopy. These developments support the existing and future needs of society in many areas of medicine, including cancer research, the control of autoimmune disease, and the study of birth defects; and in other fields, such as plant biotechnology and environmental monitoring.

Cognitive Neuroscience and Psychology

Cognitive Neuroscience and Psychology with Industrial/Professional Experience

One of the most challenging problems in modern biology is to understand the brains and behaviours of humans and other animals. Approaches to this are diverse, varying from the study of biological systems at the molecular level, to analysis of human performance.

These interdisciplinary courses combine studies of major topics in experimental psychology and neuroscience in order to provide you with a broad background in this fast-moving and exciting field. They draw on resources from psychological sciences and life sciences. Units cover topics such as how humans and animals think (cognitive processes), how the world is sensed (perception), computational modelling, development and psychopathology.

The degree is accredited by the British Psychological Society (BPS), which means as well as providing a solid foundation for a career in the life sciences, this degree also provides the first step towards professional chartered psychologist status.

Developmental Biology

Developmental Biology with a Modern Language

Developmental Biology with Industrial/Professional Experience

Developmental biology is concerned with understanding how a single cell (eg the fertilised egg) forms an embryo and then becomes a fully formed adult organism in species as varied as plants, insects and mammals. This knowledge is making a significant impact on our understanding of evolution and modern medicine, including birth defects and cancer. In particular, the revolutionary potential of stem cell manipulation, with the purpose of forming replacement cells or organs, represents the future of medicine.

Developmental biology is a multidisciplinary field that uses the most up-to-date technologies. Through the course, you will gain

research-driven knowledge and experience in a broad range of biological subjects, ranging from the molecular functions of individual genes and proteins, through to the structure and function of whole organs. Developmental biology integrates subjects such as genetics, molecular biology, biochemistry, cell biology, anatomy, physiology and computer modelling.

Genetics

Genetics with a Modern Language

Genetics with Industrial/Professional Experience

Genetics is fundamentally important to all branches of modern biology, from evolutionary biology to medicine, and extends into many practical areas, such as biotechnology and agriculture.

You will discover the principles of heredity and evolution and learn how we can map genes and understand their function. You will consider how the development of multi cellular organisms can progress from a single cell through regulated courses of gene expression, and learn the detailed mechanisms by which genes can be switched on and off. You will understand how model organisms, such as the fruit fly and the mouse, are of enormous biomedical importance, and learn how our genetic makeup can predispose us to different diseases.

The human genome project has provided us with the sequence of the entire human genome and identified around 25,000 human genes. The challenge now is to understand the function of all these genes and how they cooperate to make us who we are,

and to learn how we can best use this knowledge to improve human society. Genetics will continue to play a key role in this quest.



What I enjoyed at Manchester most was the field course in Marine and Terrestrial Biodiversity in Belize... it really showed me a whole different aspect of biological research. Although I have enjoyed my lab experiences (a year on placement, a summer studentship, and an internship at a pharmaceutical company), I found that what I enjoy most has been field research. I think that Manchester offers a fantastic range of different experiences in the biological world, so that students can find out for themselves what they want to do after they graduate.

Michael Harris
BSc Genetics with
a Modern Language



Life Sciences

Life Sciences with a Modern Language

Life Sciences with Industrial/Professional Experience

If you are committed to biosciences, but have not yet decided on the area in which you would like to specialise, this course will help you to make the decision at the end of your first year from a position of greater knowledge.

The combination of units taken in the first year enables you to transfer to almost any of the degree courses within the Faculty of Life Sciences. Your individual study course will be carefully planned with advice from your advisors.

Medical Biochemistry

Medical Biochemistry with Industrial/Professional Experience

These courses are aimed at biochemists who are considering a career in research into the biochemical basis of disease and therapeutic medicine. This area offers great career prospects, because pharmaceutical and healthcare companies need well-trained medical biochemists.

You could become key to the efforts of such companies to develop new drugs targeted against specific enzymes, hormone receptors, or other biologically important molecules.

Microbiology

Microbiology with a Modern Language

Microbiology with Industrial/Professional Experience

Microbiology is a broad discipline that involves the study of the biology of bacteria, viruses, protozoa and fungi. The main focus of our course is the pathogenic potential of the organisms that cause disease in man; also covered are aspects of the biochemistry, physiology and genetics of microorganisms.

Recently, our knowledge of how microbes function has expanded enormously, both in the disease process and at molecular level. Genetic engineers are using bacteria and viruses to clone eukaryotic genes to study and treat human genetic disorders.

Vaccines are being developed for diseases such as AIDS, Legionnaire's disease and listeriosis. In the areas of biotechnology, agriculture and food production, microbes are continually exploited for the benefit of man.

Molecular Biology

Molecular Biology with a Modern Language

Molecular Biology with Industrial/Professional Experience

Molecular biology underpins much of today's biological research. It overlaps with biochemistry, genetics and cell biology, and the structure of our degree course reflects this. Over the last decade, recombinant DNA technology has allowed molecular biologists

to make enormous advances in our understanding of how fundamental biological processes operate, by analysing, manipulating and controlling genes and proteins.

This has culminated in the completion of several large genome projects that are changing the face of modern biology, especially in areas of medicine, agriculture and biotechnology. We are starting to understand the molecular basis of illnesses such as cancer and inherited diseases, and in some cases, they can be treated using genetic tools.

Genetic manipulation in biotechnology enables the manufacture of such valuable products as blood clotting factors, insulin and vaccines. This course gives you an understanding of these areas and practical experience in experimental approaches used in the laboratory.

Neuroscience

Neuroscience with a Modern Language

Neuroscience with Industrial Experience

Neuroscience MNeuroSci

Neuroscience is the study of the nervous system and how it works to generate behaviour, perception, movement, thought, memory and other key functions. This study calls on a wide range of knowledge and experimental techniques and recently there have been significant advances in our understanding of the function of the nervous system, from the molecular level, through to the biology of higher brain function.

You will cover much of this during the degree course, with frequent

“

My career might have gone quite differently if I'd not been at Manchester. There's a good ethos throughout the University of interdisciplinary collaboration. From my experience, some other major cities are not particularly friendly – at least, not like Manchester. There's a 'go and do' attitude at the University, but there's also a strong sense that values matter, integrity matters here. Manchester has made me less selfish.

”

Professor Dame Nancy Rothwell is President and Vice-Chancellor of the University, and a distinguished life scientist with a specialism in neuroscience. Born and educated in Lancashire, she studied and worked in London for a while, before returning to the North West of England and joining The University of Manchester in 1987. She holds various senior positions, including President of the Society of Biology, membership of the Council for Science and Technology and a non-executive directorship at AstraZeneca.

“The University is very strong in life sciences; by national measures, it's certainly in the top three in the UK. It's all integrated, with fabulous new buildings and fantastic equipment. We're now working hard to ensure that even more extra-curricular, volunteering and skills-based opportunities are available for students, so going to university gives you a lot more than the opportunity to explore your chosen discipline.”

Find out how Nancy became a neuroscientist 'by mistake', and why the University is so popular with employers

www.manchester.ac.uk/ug/profiles

MANCHESTER
MADE ME...

FOCUS ON VALUES AND INTEGRITY

Professor Dame Nancy Rothwell
Neuroscientist and President and Vice Chancellor
of The University of Manchester

reference to how different disorders of the nervous system affect normal brain function.

The MNeuroSci course has an extra year in which a major research project is undertaken, culminating in the award of an undergraduate masters qualification.

Pharmacology

Pharmacology with a Modern Language

Pharmacology with Industrial/Professional Experience

Pharmacology is the study of drug actions on living systems. It applies biological techniques to understanding the actions of current drugs and the development of new drugs. Throughout, you are taught the theoretical aspects against an extensive background of laboratory work, using a wide variety of methods.

Physiology

Physiology with a Modern Language

Physiology with Industrial/Professional Experience

Physiology is the study of function in animals and humans. A major challenge to physiologists in the post-genomic era is to determine the function of the many uncharacterised proteins encoded by the human genome. This will involve understanding how these proteins influence the activity of cells, tissues and the whole organism in health and disease.

Our physiology research and teaching ranges from examining molecular mechanisms in single cells, to studying functional

changes in human tissues in disease states.

Pharmacology and Physiology

Pharmacology and Physiology with Industrial/Professional Experience

This course provides you with an opportunity to study these two closely related disciplines. It will equip you for careers in either field, or in areas in which knowledge of both subjects is valuable.

Plant Science

Plant Science with a Modern Language

Plant Science with Industrial/Professional Experience

While it is obvious that plants support the continued existence of life on Earth, you deal with far more than photosynthetic energy capture in these courses. The fascinating reproductive processes and global importance of non flowering plants, and the role of plants in biotechnology (eg algal biofuels), are just two of a broad range of topics.

You also consider the significance of plants in global ecosystems, and as providers of food and raw materials for industry. Field studies form an attractive part of the courses, and you attend a course in the Mediterranean island of Majorca during Easter of your first year, when the orchids are in bloom. A further summer field course in Ecuador or the UK builds upon this in the second year, and you will attend this if you are not starting a placement early, eg to fit with field seasons.

Zoology

Zoology with a Modern Language

Zoology with Industrial/Professional Experience

Zoology covers the whole range of animal life, from genes and development, through to animal behaviour, population dynamics and evolution.

We place particular emphasis on the mechanisms and evolution of animal behaviour, including course units on behavioural neurobiology, reproduction and hormones, behavioural rhythms, and pheromones and olfaction. At each stage, we study the interaction of animals with other individuals and with whole populations.

Building on the international research strengths of the Faculty, our Zoology degree highlights some of the most exciting and thought-provoking aspects of 21st century life sciences. You also gain direct experience of studying animals: there are currently two compulsory field course units, one in the UK on Marine Biology (Year 1) that introduces you to research methods, the other abroad, on Evolutionary Biology and Behaviour (Year 2), during which you design and carry out a research project. Many Zoology students opt to do two field courses both years.

LIFE SCIENCES WITH A FOUNDATION YEAR

WHY MANCHESTER?

- Courses designed to maximise your achievement and fully prepare you for degree study in the life sciences
- Innovative teaching techniques, state-of-the-art facilities and tutors who are leading experts from across the breadth of the life sciences
- One of the best life science faculties in the country for both teaching and research quality

Find out more...

www.manchester.ac.uk/lifesciences
ug.lifesciences@manchester.ac.uk
t +44 (0)161 275 5032

This course is for you if you want to enter one of the degree courses offered by the Faculty of Life Sciences, but do not have the appropriate entry qualifications. This could be because you are a mature student, have studied arts, languages or social sciences at A-level (or equivalent) or because you have slightly underachieved in your science A-levels due to serious circumstances outside your control.

The Foundation Year provides the necessary academic background in biology, chemistry and mathematics to prepare you for study on any of our BSc (Hons) degree courses. We offer degree courses in more than 20 life sciences subjects and successful completion of the Foundation Year allows you direct entry into any of these courses, including Optometry. See *Life Sciences p120* and *Optometry p155* to find out more.

To progress onto your preferred course, you will need strengths in the relevant subject area. Some degrees can require higher marks in certain subjects than others (eg Optometry).

Life Sciences with a Foundation Year BSc 4/5yrs

UCAS Code C900
See also *Life Sciences p120*.

Typical offer

Students are accepted from a wide range of backgrounds. Each application is considered individually.

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

What you study

The Foundation Year consists of 120 academic credits. You study a common core of units in biology, chemistry and mathematics.

Biology forms approximately half the core content, including:

- Lectures on topics such as cell biology, biochemistry, genetics, biotechnology, microbes and disease, ecology and physiology
- Laboratory work, which reinforces the subject material and helps you to develop practical skills
- Opportunities for fieldwork

Chemistry forms around one-third of the core content, including:

- Lectures on topics such as atomic structure, bonding, rates of reaction, inorganic and physical chemistry, organic and medicinal chemistry
- Laboratory practicals that support the lectures

Mathematics units focus on the mathematical skills required by life scientists, including:

- Accurate manipulation and analysis of experimental data
- Use of statistical and mathematical techniques in a biological context

Where you study

Most of this course is taught by the experienced staff of Xaverian College, located in Victoria Park about 1km south of the University. The college was graded 'outstanding' in its most recent Ofsted inspection and awarded Beacon College status in 2009.

You will also spend time on the university campus most weeks, undertaking a complementary series of tutorials, seminars and laboratory exercises.

As a Foundation Year student, you are a full member of The University of Manchester and guaranteed access to all the undergraduate facilities, activities and services outlined in this prospectus.

How you are supported

You will receive academic and pastoral support from your personal tutor at Xaverian College. Our Faculty staff provide additional academic support.

How to apply

All applications should be made through UCAS.



I made great friends on the Life Sciences Foundation Year. That first year was a cushion into the real world of uni and I'm very glad I did it.

Evanthia Anastasiou
BSc Biology





WHY MANCHESTER?

- Distinguished record of research that informs our course content, with expert staff covering the major areas of linguistics and English language
- Excellent resources, including a phonetics laboratory with computing facilities for speech analysis, and extensive library collections of linguistics books and periodicals
- Friendly and diverse place to study



Find out more...

www.manchester.ac.uk/llc
ug.languages@manchester.ac.uk
t +44 (0)161 275 3211

Linguistics is concerned with language and how it works.

A linguist looks at the many languages of the world and the many ways in which we use language, and asks such questions as: how do languages resemble one another, and how do they differ? How do the rich and varied forms that language adopts reflect the enormous variety of uses to which it is put? How does a young child first learn to use language? How does a language such as English change over time?

Chinese and Linguistics BA 4yrs
UCAS Code TQ11

English Language BA 3yrs
UCAS Code Q1Q3

English Language and a Middle Eastern Language BA 4yrs
UCAS Code QT36

English Language and Screen Studies BA 3yrs
UCAS Code QW36

English Literature and Linguistics BA 3yrs
UCAS Code QQ13

French and Linguistics BA 4yrs
UCAS Code RQ11

German and Linguistics BA 4yrs
UCAS Code RQ21

Italian and Linguistics BA 4yrs
UCAS Code RQ31

Linguistics BA 3yrs
UCAS Code Q100

Linguistics and a Middle Eastern Language BA 4yrs
UCAS Code QT16

Linguistics and Japanese BA 4yrs
UCAS Code QT12

Linguistics and Portuguese BA 4yrs
UCAS Code QR15

Linguistics and Russian BA 4yrs
UCAS Code QR17

Linguistics and Screen Studies BA 3yrs
UCAS Code QW16

Linguistics and Social Anthropology BA 3yrs
UCAS Code QL16

Linguistics and Sociology BA 3yrs
UCAS Code QL13

Linguistics and Spanish BA 4yrs
UCAS Code QR14

See also Chinese and Linguistics p70, Modern Languages p149, Latin and Linguistics p75, English Literature and American Studies p96 and Language, Literacy and Communication p116.

Typical offer

A-level: AAA-BBB
IB: 37-31

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

The questions we ask, and the theories and methods we use in looking for answers, are not only close to aspects of philosophy, psychology and sociology, but also relevant for the study of foreign languages and for understanding literature.

Our students come from a wide variety of backgrounds. There are school-leavers and mature students, from Britain and from overseas, involved in many other academic disciplines, at undergraduate and postgraduate level, making for a lively social mix.

What you study

English Language

Focuses on the study of the English language, its structure, history, varieties and dialects, and how we acquire and use it.

In Year 1, you study background material on the development of English, and learn the basic skills required in order to understand and describe the main components of language: sounds, grammar and semantics, plus basic study and research skills. In Years 1, 2 and 3, you choose from a wide range of

optional course units, including a dissertation. You can also take free choice options in other subjects, including a foreign language.

In Year 2 you have the chance to spend a semester abroad. For up-to-date information on partner institutions outside Europe, see: www.manchester.ac.uk/ug/courses/studyabroad/destinations/partneruniversities or <http://bit.ly/sv2Kbq>

We also have Erasmus exchanges with the universities of Paderborn in Germany and Vigo in Spain.

English Language and a Modern Language

Combines the study of English Language with one of Chinese, Japanese, French, Spanish, German, Italian, Russian, or Portuguese (see *the list of courses for UCAS codes in Modern Languages, p149*).

Core course units in the structure, history and varieties of English are complemented by units in general linguistics and sociolinguistics. You also take core units in your modern language, with optional units covering aspects of politics, literature, linguistics, society, economics, translation studies, cinema, history and culture (NB optional choice areas vary according to the language studied; see our website). In Year 1, the two subject areas are studied equally; in later years you can maintain this balance or devote more weight to one subject.

Year 3 is spent abroad under approved conditions. For up-to-date details on your residence abroad options, see: www.manchester.ac.uk/llc/undergraduate/residence-abroad or <http://bit.ly/vEdMmQ>

English Language and a Middle Eastern Language

Provides a comprehensive grounding in both English language and a modern Middle Eastern language (Arabic or Hebrew). Core course units in the structure, history, and varieties of English are complemented by units in general linguistics and sociolinguistics. You also take core units in your Middle Eastern language, and units about this language's historical and cultural context. In Year 1, both subjects are studied equally; in later years you can maintain this balance or devote more weight to one subject. You spend around 12 hours a week in classes.

Year 3 is spent abroad under approved conditions. For up-to-date information on your residence abroad options, see: www.manchester.ac.uk/llc/undergraduate/residence-abroad or <http://bit.ly/vEdMmQ>

English Language and Screen Studies

Core course units in the structure, history, and varieties of English are complemented by units in general linguistics and sociolinguistics. In Screen Studies, you study core course units in understanding film, its history and pre-history, and its development across other media (eg television, DVD, internet distribution). You may choose between two patterns of study after your first year: an even split between the two subjects, or a weighting towards English Language.

English Literature and Linguistics

Combines English literature, as offered by English and American Studies, with linguistics.

Linguistics focuses on the study of language and ways of understanding and describing the structure, history and social aspects of languages. In Year 1 you are introduced to the basic analytical skills, and later you may focus on the English language, general linguistics or a combination. In English Literature, you follow a broadly chronological journey of literature from the Anglo-Saxon period through to the present day.

In Year 1, the two subjects have equal weighting. In your second and final years, you may choose the relative weighting of the two subjects; anything up to two-thirds of your time may be spent on one or other of the chosen subjects.

Linguistics

Focuses on the study of language, and ways of understanding and describing the structure, history and social aspects of languages.

In Year 1, you are introduced to the basic analytical skills for the main components of language: sounds, grammar, and semantics, plus basic study and research skills. You may choose from a wide range of course units, including specialisation in various areas of linguistics (such as phonetics, syntax, sociolinguistics, typology, psycholinguistics), linguistic theory, and individual language families. You may also take free-choice options from across the Faculty, including a foreign language.

In Year 2, you have the chance to spend a semester abroad. For up-to-date information on partner institutions outside Europe, see: www.manchester.ac.uk/ug/courses/studyabroad/destinations/partneruniversities or <http://bit.ly/sv2Kbq>

We also have Erasmus exchange arrangements with the universities of Paderborn in Germany and Vigo in Spain.

Linguistics and a Modern Language

Combines the study of linguistics with one of Chinese, Japanese, French, Spanish, German, Italian, Russian, or Portuguese (see the list of courses for UCAS course codes). You combine the study of the language, literature, culture, society, economics, cinema and history of your chosen language with the study of linguistics.

In Year 1, the two subjects have equal weighting. In your second and final years, you may choose the relative weighting; anything up to two-thirds of your time may be spent on one or other of the chosen subjects. In your second and final years, you may also choose to study an additional language at an appropriate level.

Year 3 is spent abroad under approved conditions. For up-to-date information on your residence abroad options, see: www.manchester.ac.uk/llc/undergraduate/residence-abroad or <http://bit.ly/vEdMmQ>

Linguistics and a Middle Eastern Language

Combines the study of linguistics with the study of a selected Middle Eastern language of specialisation (Arabic or Hebrew) and aspects of Middle Eastern culture and history.

In Year 1, the two subjects have equal weighting. In your second and final years, you may choose the relative weighting; anything up to two-thirds of your time may be spent on one or other of the chosen subjects. In these years, you can also take another foreign language at an appropriate level.

Year 3 is spent abroad under approved conditions. For up-to-date information on your residence abroad options, see: www.manchester.ac.uk/llc/undergraduate/residence-abroad or <http://bit.ly/vEdMmQ>

Linguistics and Social Anthropology

Combines the study of society, culture and social interaction, based in Social Anthropology, with the study of linguistics.

In Year 1, the two subjects have equal weighting. In your second and final years, you may choose the relative weighting; anything up to two-thirds of your time may be spent on one or other of the chosen subjects. You may, in Years 2 and 3, choose to study a foreign language.

Linguistics and Sociology

Combines the study of society and its organisation and structure, as offered by Sociology, with the study of linguistics.

In Year 1, the two subjects have equal weighting. In your second and final years, you may choose the relative weighting; anything up to two-thirds of your time may be spent on one or other of the chosen subjects. You may, in Years 2 and 3, choose to study a foreign language.

Linguistics and Screen Studies

Combines the study of linguistics, including analysing the sounds, meanings and structures of language, with screen studies. In Screen Studies, you will study core course units in understanding film, its history and pre-history, and its development across other media (eg television, DVD, internet distribution).

In Year 1, the two subjects are given equal weighting. In your second and final years, you may choose the relative weighting of the two subjects; anything up to two-thirds of your time may be spent on one or other of the chosen subjects.

Career opportunities

The communication skills developed during our courses are valued by a huge range of employers, and our graduates have followed a diverse range of career paths.



Linguistics has enabled me to continue with a subject I already had a great interest in, exploring areas I had already studied in more depth while also introducing me to completely different aspects.

Lauren Baxendale
BA Linguistics



WHY MANCHESTER?

- Combination of academic study and practical experience, designed to give you a head start and flexibility of choice in your career
- Focus on management and management skills within the context of the leisure industry
- Chance to specialise in a subject area of your choice for independent research work

Management and Leisure BA 3yrs

UCAS Code N870
See also *Business Studies and Management p58*.

Typical offer

A-level: AAB-BBB
IB: 31-36

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

The leisure industry is one of the fastest growing and most dynamic sectors of the economy. Our Management and Leisure degree covers the history and development of the sector and the social, legal, economic, managerial, financial and psychological factors that influence the management of leisure.

What you study

You follow a common core programme covering management, marketing, law, finance, historical and contemporary aspects of leisure, and research methods. As the course progresses, you may take some additional specialist options from within the course and the Faculty of Humanities; you can also specialise in your choice of research work.

The course is supported by the three applied study periods undertaken in different sectors of leisure industries, which provide you with an opportunity to extend and apply knowledge and skills from the course in gaining experience relevant to your career choice.

Year 1: Drawing upon the disciplines that underpin management within the leisure

sector, you gain an introduction to the nature and scope of the leisure sector. This is the basis for a more detailed study of management within the leisure sector in Years 2 and 3.

At the start of your first year, we run a residential field trip to North Wales, where you get to know other students and staff, as well as learn about management issues in the rural leisure economy.

Subjects include sociology, psychology, research methods, economics, history of leisure, leisure law and introduction to management theory.

Year 2: You study financial management, human resource management, research methods, marketing and law. Optional subjects are in international leisure, the football business and corporate responsibility. You also take a course unit in career management, to develop work-based skills.

Year 3: In your final year, you continue with management, research and marketing and more detailed study takes place through the choice of specialised subjects: running your own business, tourism management, events and entertainment management, and sports management.

The extended applied study project, a research project and the presentation of a placement report complete your final-year work.

Career opportunities

A broad range of career opportunities exist within the leisure sector, including the arts, sports and recreation, travel and tourism. The broad base of the course also lays a foundation for employment in other areas, such as events management.



Find out more...

www.manchester.ac.uk/education
ug-education@manchester.ac.uk
t +44 (0)161 275 3463

WHY MANCHESTER?

- One of the largest and most diverse university materials activities in the world, bringing together excellence in teaching and research
- Strong links with relevant industrial and clinical units, ensuring your degree is highly valued by employers
- Self-contained, purpose-built Materials Science Centre exploiting a full range of well-equipped laboratories, lecture rooms and advanced research equipment
- Professional accreditation by IOM3 on all our courses, fulfilling the academic requirement for the award of chartered engineer (CEng) status



Find out more...

www.manchester.ac.uk/materials
ug-materials@manchester.ac.uk
t +44 (0)161 306 4149

Biomaterials Science and Tissue Engineering BSc 3yrs
UCAS Code J2BV

Biomaterials Science and Tissue Engineering MEng 4yrs
UCAS Code BJ82

Biomaterials Science and Tissue Engineering with Industrial Experience MEng 4yrs
UCAS Code J2B8

Materials Science and Engineering BSc 3yrs
UCAS Code J500

Materials Science and Engineering MEng 4yrs
UCAS Code J501

Materials Science and Engineering with Industrial Experience MEng 4yrs
UCAS Code J503
See also Engineering with an Integrated Foundation Year p95.

Typical offer

A-level: AAA-AAB
IB: 37-35

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Materials science is an exciting and rapidly expanding field, with excellent employment prospects in a wide range of careers. At Manchester, you will benefit from internationally renowned teaching conducted by experts in the field, plus well-equipped laboratories and outstanding teaching facilities, all backed by strong industry links.

We pride ourselves on our friendly atmosphere and high level of staff/student contact through our mentoring and tutorial system. The student-run Materials Society (Mat Soc) provides a focus for social and sporting activities within the School of Materials, including the annual Mat Soc ball.

What you study

Materials Science and Engineering (BSc)

Materials science is a synthesis of physics, chemistry, and engineering. Advances in this area drive the technology developments in all major industrial sectors, from aerospace and power generation, to electronics and telecommunications. Materials scientists have unique combinations of skills and are highly sought after. Since they are trained in a unique combination of subjects, they are versatile and ideally suited to manage the multidiscipline research teams usually found in industrial research and development.

Years 1 and 2: Provide a thorough grounding in the principles governing the physical, chemical, and mechanical properties of all solid materials. You learn to understand how material structure, from the nano to the macro scale, governs behaviour, and learn the techniques used to characterise structure and properties. You also gain practical experience of designing and selecting materials to solve engineering challenges.

Year 3: Includes lectures on advanced topics such as functional ceramics, advanced processing and cellular materials. An important element is the individual research project, which constitutes one-third of the year. Working as part of a research team, you use your initiative and imagination to work on fascinating problems in materials science. You also develop essential practical and analytical skills, which are highly sought after by employers

Materials Science and Engineering (MEng)

Years 1 to 3: Follows the pattern of the three-year BSc degree above, but you are introduced to research methodology and practice in Year 3, to aid your extended (half-year) research project in Year 4.

Year 4: You choose from a variety of higher-level lecture course units covering cutting-edge topics such as functional ceramics and polymers, advanced engineering alloys and nano materials. You also have the opportunity to become familiar with state-of-the-art analysis techniques, like electron microscopy and synchrotron and neutron diffraction, through lectures and practical work in laboratories.

An important element is your individual research project, which constitutes two-thirds of the year. Working as part of a research team, you will use your initiative and imagination to work on fascinating problems. You also develop essential practical and analytical skills, which are in demand by employers.

Alongside superior research skills, our MEng graduates boast an enhanced understanding of the principles of business management and administration.

Materials Science and Engineering with Industrial Experience (MEng)

Year 3: Spent working at a company selected by you, during which you will be responsible for one or more substantial industrial projects under the joint supervision of a lecturer and a scientist or engineer at the host organisation.

A year in industry gives you the opportunity to find out what it is like to work in industrial research and development, develop interpersonal and management skills and gain the direct experience that prospective employers look for.

Biomaterials Science and Tissue Engineering (BSc)

This subject is concerned with the use of materials in the human body, principally for the replacement and regeneration of damaged or diseased tissues. It covers many areas of biology, biochemistry, anatomy, cell biology, tissue engineering and materials science.

On this course, you gain an understanding of the interactions that occur between differing classes of material and the many tissues and organs of the human body. Such knowledge is the key to the development of new materials for implants and scaffolds in tissue engineering, stem cell differentiation, drug delivery, and many other biomedical applications.

Year 1: You learn what controls the properties of materials, providing you with a strong foundation for the study of biomaterials. You are also introduced to the fundamentals of biomedicine, with lecture course units on anatomy and physiology, biochemistry and cell biology. As you progress, you learn the implications of applying synthetic materials for clinical applications in detail.

Year 2: Includes lecture course units on oral and craniofacial biomaterials science, biomechanics, molecular biology and tissue interactions and biocompatibility. You continue to develop as a materials scientist and engineer via units on materials processing and materials degradation, alongside team based engineering design projects.

Year 3: Introduces more advanced topics, such as tissue engineering and nano biomaterials. An individual research project constitutes one-third of the year. Working as part of a research team, you will use your initiative and imagination to work on cutting-edge problems in biomaterials and tissue engineering. During your project, you will develop essential practical and analytical skills, which are in demand by employers.

Biomaterials Science and Tissue Engineering (MEng)

Years 1 to 3: Follow the pattern of the three-year BSc degree, but you are introduced to research methodology and practice in Year 3 to aid the extended (half-year) research project, undertaken in Year 4.

Year 4: The major focus is the individual research project, which constitutes two-thirds of the year. This enables you to use your initiative and imagination to work on current problems in biomaterials and tissue engineering. During your project, you will develop essential practical and analytical skills, which are very attractive to employers. In addition, you choose two taught course units to compliment the research project.

Alongside superior research skills, our MEng graduates boast an enhanced understanding of the principles of business management and administration.

Biomaterials Science and Tissue Engineering with Industrial Experience (MEng)

Year 3: Spent working at a company selected by you. You will be responsible for one or more substantial industrial research projects under the joint supervision of a lecturer and a scientist or engineer at the host organisation. Placements with more clinical focus are also encouraged.

A year in industry gives you the opportunity to find out what it is like to work in industrial research and development, to develop interpersonal and management skills and gain the direct experience that prospective employers look for.

Career opportunities

Materials Science and Engineering graduates are highly sought after and all of our graduates find employment in industry, or go onto higher-level study. Careers include research and development, management positions, production and technical roles in companies such as Rolls Royce, Airbus, Unilever, 3M and Jaguar.

Biomaterial scientists and tissue engineers are in strong demand in the growing healthcare, pharmaceutical and medical devices sector, and all of our graduates find employment, or go on to higher-level study. Employers of recent graduates include GlaxoSmithKline, Systagenix, DePuy, the MHRA, and Biocompatibles.



I chose The University of Manchester because of its great reputation for research as a specialist in the area of material science. I like the amount of contact time you get with the lecturers and the fact they are always available to email for help. The fact that I can get a Masters of Engineering by doing a four-year course, which includes me being able to work in industry for a year, I think gives me a great advantage for my future career options.

Faye Brown
MEng Biomedical
Material Science
(now MEng Biomaterials
Science and Tissue
Engineering)



Uncertain of what he wanted to do after school, Albert took a circuitous route to university. Dropping out of college, he trained and worked as a tattoo artist in his home town of Blackpool, then changed tack and moved into welding. Here, he became interested in the theory behind welding, and discovered the field of materials science. After taking an Access course at Trafford College at age 25, Albert decided that The University of Manchester was the obvious choice.

"The best thing about the Manchester course for me is all the practical experimenting – that and the fact that you're being taught by experts, who literally wrote the book on everything you're studying. Nearly all the lecturers here are involved in research, and all that new information comes straight into our course. Sometimes we're learning about things that have only just been in the news. It's impressive stuff."

Find out Albert's thoughts on getting relevant work experience, why you don't need a car in Manchester and living in Didsbury:

www.manchester.ac.uk/ug/profiles

"If you'd asked me a couple of years ago, I'd never have thought I could do a degree. Self-directed learning is tough to get used to. But it feels great to realise what you're capable of achieving. Now I want to work in metallurgy research, ideally in academia rather than corporate – academics get all the best toys! And, yes, I want to stay in Manchester. It's a great city."

**MANCHESTER
MADE ME...**

CONFIDENT IN MY ABILITIES AND MY FUTURE

Albert Smith, 28, from Blackpool
Materials Science and Engineering (BSc)



WHY MANCHESTER?

- One of the largest, most respected Schools of Mathematics in Britain
- New building, purpose-built and incorporating excellent facilities
- Portfolio of high-quality flexible Single Honours and Combined Honours degrees, with a large range of lecture course options
- Strong traditions of good relations between staff and students, and a high standard of pastoral care



Find out more...

www.manchester.ac.uk/math
ug-maths@manchester.ac.uk
 t +44 (0)161 275 5803/4

Mathematics and Statistics BSc 3yrs

UCAS Code GGC3

Mathematics and Statistics MMath 4yrs

UCAS Code GG13

Mathematics with Financial Mathematics BSc 3yrs

UCAS Code G1NH

Mathematics with Financial Mathematics MMath 4yrs

UCAS Code G1NJ

Mathematics with Business and Management BSc 3yrs

UCAS Code G1N2

Mathematics with Finance BSc 3yrs

UCAS Code G1N3

Mathematics with a Modern Language BSc 4yrs

UCAS Code G1R9

Mathematics and Philosophy BSc 3yrs

UCAS Code GV15

Actuarial Science and Mathematics BSc 3 yrs

UCAS Code NG31

See also *Computer Science and Mathematics p77*, *Mathematics and Physics p161*, *Science with an Integrated Foundation Year p95*.

Typical offer

A-level: A*AB or AAA-AAB
 AAB only if includes Further Mathematics. If no Further Mathematics included, Mathematics grade A must have A grades in both modules C3 and C4.

IB: 37-35

Mathematics must be at least 6 at Higher Level for IB applicants.

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

Our staff are involved in high-quality research across the whole range of mathematics, including projects in pure mathematics, logic, applied mathematics, numerical analysis, probability and statistics. The breadth and excellence of our research is reflected in the very wide range of third-level, fourth-level and postgraduate units we offer.

What you study

Single Honours degrees

We offer three Single Honours degrees, each available as a three-year BSc, or a four-year MMath. The BSc gives a good all-round mathematical knowledge, plus the experience of more specialised results, methods and ideas. The MMath adds sufficient depth to prepare you for postgraduate studies, mathematical research, or work as a specialist mathematician in industry, business, or higher education.

Mathematics

These degrees offer you the widest choice, ideal if you are mathematically gifted and want to keep your options open. You can construct a broad mathematical programme, or a more specialised one. These degrees also offer the chance to study other subjects, such as accounting, economics, a science, a language, music, politics, or psychology. Choosing course units from other disciplines, as well as from a wide variety of mathematics options, means you can graduate with finely honed skills in your chosen areas.

Mathematics BSc 3yrs

UCAS Code G100

Mathematics MMath 4yrs

UCAS Code G104

Mathematics and Statistics

These degrees are accredited by the Royal Statistical Society and are for you if you expect to use statistics in your professional work. You develop the capacity to formulate and analyse problems, and to interpret scientific evidence using appropriate statistical methodology.

Mathematics with Financial Mathematics

These are for students interested in learning about some of the recent applications of mathematics to the financial sector. You acquire a working knowledge of models, as well as procedures and modern financial mathematics applied in banks, broker companies, insurance and the financial departments of national and international companies.

Combined Honours degrees

We offer a range of BSc degrees combining mathematics with another subject. The mathematical content is less than in Single Honours, but the same skills are included. Mathematics makes up about two-thirds of the 'Mathematics with' degrees; 'Mathematics and' degrees give equal weighting to the two disciplines. The G1N3 and NG31 degrees are exceptions, as mathematics forms about three-quarters of these degrees.

Mathematics with Business and Management

This degree lets you build a firm foundation of mathematics, while gaining exposure to the modern theory and practice of business, management and accounting. Topics currently covered include fundamentals of accounting and finance, marketing and strategy, and organisational behaviour, see p58.

Mathematics with Finance

This degree is aimed at students with particular interest in financial systems. It has the same course units in financial mathematics as Mathematics with Financial Mathematics, but has a greater component of accounting and finance, including the study of international markets and multinational corporate finance.

Mathematics and Philosophy

This long-established degree explores both subjects, and the interesting border region between the two. Each discipline offers a wide range of options to choose from, including project work, see p159.

Actuarial Science and Mathematics

This innovative three-year degree focuses on developing a unique fusion of strong mathematical skills, real world business understanding, communication, interpersonal and leadership skills, all of which have been identified by the Actuarial profession as core skills required by graduates and trainee actuaries. The degree is accredited by the Institute and Faculty of Actuaries, so graduates will, subject to performance, be eligible for a number of exemptions from the professional examinations.

Mathematics with a Modern Language

This four-year degree develops your language skills (in French, German, Italian, Japanese, Russian, or Spanish) while you train as a mathematician. You also learn about the culture, literature and history of the relevant country. You spend Year 3 overseas at a university studying mathematics, carrying out approved paid work (in a school, for example), or

improving your language on an approved course, see p149.

Career opportunities

A mathematics degree is good preparation for any career requiring people who can think clearly and logically. Main areas of employment are computing (including operational research), finance, administration, statistics, teaching (schools and colleges) and postgraduate study.

Several of our course units aim to extend your skills in ways that may prove useful for your future career. Of particular note is the Career Management Skills unit, run in collaboration with the University's Careers Service. This helps you to improve your presentation and group interaction skills, for example, and develop job application skills, such as CV writing, which will help you to get a job when you graduate.



Studying Maths at Manchester is excellent. Everything is well structured, which helps to make the transition into university life as smooth as possible. The staff are friendly and approachable, always offering their time and help if asked; their passion for the subject makes the lectures engaging and interesting.

Una Gardiner
MMath Mathematics



WHY MANCHESTER?

- A long, distinguished history in engineering education and research at the first English university to offer an engineering degree
- Extensive engineering industry links enhancing both undergraduate teaching and ground-breaking research
- Excellent resources for information, computation and experimentation
- Professional accreditation by relevant UK institutions



Find out more...

www.manchester.ac.uk/mace
ug-mace@manchester.ac.uk
t +44 (0)161 306 9210

Mechanical Engineering BEng 3yrs

UCAS Code H300

Mechanical Engineering MEng 4yrs

UCAS Code H303

Mechanical Engineering with Industrial Experience MEng 5yrs

UCAS Code H301

Mechanical Engineering with Management BEng 3yrs

UCAS Code H3N1

Mechanical Engineering with Management MEng 4yrs

UCAS Code H3ND

Mechanical Engineering with Nuclear Engineering BEng 3yrs

UCAS Code H3H8

Mechanical Engineering with Nuclear Engineering MEng 4yrs

UCAS Code H3HV

See also *Engineering with an
Integrated Foundation Year p95*.

Typical offer

A-level: AAA-AAB

IB: 35-37

For entry requirements to specific
courses, you need to visit:

www.manchester.ac.uk/ugcourses

One of the pioneers in engineering education and research, the Mechanics Institute – the forerunner to The University of Manchester – was founded by Sir William Fairbairn in 1824. The term ‘Reynolds Number’ recognises the fundamental work in fluid flow that was undertaken by our first professor, Osborne Reynolds (appointed in 1868).

All engineering degrees at Manchester have a strong base of engineering science, while also giving you a good practical grounding and knowledge of the environment you will work in as a professional engineer. Since our staff are actively involved in research, our teaching evolves to reflect state-of-the-art technology, giving you access to expertise in a wide range of engineering disciplines.

The high level of staff contact and our high quality resources ensure you a challenging and rewarding experience of engineering education. A well-established and highly effective framework of student support includes an extensive tutorial system for academic support and pastoral care, student-to-student mentoring, a dedicated undergraduate office and supportive, well-qualified and cooperative staff.

What you study

Mechanical Engineering (BEng)

Basic engineering knowledge and skills are taught in Years 1 and 2. Subject to satisfactory performance, you may transfer to one of the MEng courses. Your final year places considerable emphasis on individual work, with a major investigative project undertaken individually.

Mechanical Engineering with Management (BEng)

Our School collaborates with Manchester Business School to offer this course. The engineering aspects of the course cover mechanical and manufacturing engineering, while the management covers industrial organisation, financial reporting and management of people and systems.

Mechanical Engineering (MEng)

Years 1 and 2 of the MEng courses are common with those of the BEng courses (above). Years 3 and 4 offer a range of options, so you can select subjects to suit your individual needs and career aspirations, combined with substantial individual and group projects.

Mechanical Engineering with Management (MEng)

Mechanical engineering is concerned with not only technology, but also people, money and organisations. Projects must be planned, costed and managed, and products must be designed, manufactured and marketed in the real world, therefore requiring an engineer to possess skills in management, decision-making and finance.

Mechanical Engineering with Industrial Experience (MEng)

You may find it beneficial to your subsequent employment to integrate a substantial period in industry with your academic studies. We therefore offer you the opportunity to work in industry for a structured placement year after completing the first three years of the Mechanical Engineering course. Your academic tutor will visit you at your place of work.

Mechanical Engineering with Nuclear Engineering (BEng/MEng)

This is offered as an 'output degree' to students who elect to take a subset of the nuclear engineering options on offer.

Professional accreditation

All of our Mechanical Engineering degrees are professionally accredited by the relevant bodies. For full details, see: www.manchester.ac.uk/mace/undergraduate/accreditation

Career opportunities

Mechanical engineering is the most fundamental of all the engineering disciplines.

Professional mechanical engineers can work in a whole range of industries: aerospace, automobile, building services, construction, electronics, manufacturing and the process industries. The demand for mechanical engineers is high and relatively stable, because it is less affected by recession in any single industry. Mechanical engineers also find employment opportunities in other branches of engineering, where their key skills can play important roles.

By acquiring high levels of attainment in transferable skills, such as simulation, problem

solving, design, management and modelling, a significant proportion of graduates follow alternative careers in high-level technology. Our graduates are also increasingly sought after for positions in the business, management and financial arenas.

As a graduate of the 'with Management' and 'Industrial Experience' courses, you emerge with not only a solid engineering training, but also a useful insight into the commercial world, which equips you for a wide range of careers, including general management and sales, as well as jobs in more technical fields.

You have access to advice and development opportunities at the best university Careers Service in the UK, and help is available to you on all aspects of your career.



I chose to study Mechanical Engineering at Manchester because it has really good industry links, and a good support system through schemes like PASS and individual tutors. I enjoy the range of different subjects studied, which give you a really thorough engineering knowledge.

Fiona Malcolm
MEng Mechanical Engineering





WHY MANCHESTER?

- Modern and developing degree course at a world-ranking university
- Highly personal education supported by an academic advisor, who is a doctor and will stay with you throughout your course
- Early clinical experience both in hospital and in the community

Medicine (including Foundation Year) MBChB 6yrs
UCAS Code A104

Medicine MBChB 5yrs
UCAS Code A106

Typical offer

Due to the detailed nature of entry requirements for Medicine courses, we are unable to include a typical offer in the prospectus. For complete and up-to-date information on our entry requirements, you will need to visit our website at:

www.manchester.ac.uk/medicine

If, having read this, you remain uncertain about the acceptability of your status or qualifications, please contact us (see below for details). We try to provide a personal service to all our applicants.

At Manchester, we ensure that all our medical graduates have strengths in the following areas:

- Quality: Able to demonstrate high standards in both academic and clinical achievements.
- Values: Possessing a strong ethical framework, integrity, a strong sense of responsibility (for patients and communities), self awareness, an empowering sense of fairness (needs of a diverse society, both locally and internationally) and the ability to become a leader and agent of change.
- Knowledge, skills and attributes: Possessing an extensive knowledge base that is applied through highly developed interpersonal and clinical skills.

Research in the School of Medicine

Manchester is one of only five Academic Health Science Centres in the country, carrying out world-leading research within the School and NHS partners that informs our courses. Your degree will provide opportunities for you to experience this and you will be strongly encouraged to intercalate for a BSc or masters degree.

What you study

Your degree course is divided into three phases of study that include training in the learning skills appropriate to ease your transition to studying medicine at a world-ranking university.



Find out more...

www.manchester.ac.uk/medicine
ug-medicine@manchester.ac.uk
 t +44 (0)161 275 5025

The course units in phase one introduce you to the biomedical, behavioural and social sciences underpinning medicine. These units adopt a blend of different methods of teaching and learning, including small-group (case-based, problem-based, project-based and enquiry-based), e-learning, lectures, symposia and laboratory sessions (in anatomy, physiology, pharmacology and microbiology).

As a medical student, you will have early clinical experience both in hospital and in the community and, as you progress through the later phases of the course, your teaching and learning will explore your future role within the healthcare team and introduce you to the clinical science necessary for medical practice.

Your course will:

- Encourage you to develop personal themes and interests, such as global health, academic research, or leadership
- Ensure that you acquire early in your degree the basic skills of medicine (communication, history-taking, examination, procedural), and help you build and excel in these as the course progresses
- Help you develop around the three main themes of a doctor as a practitioner, scholar and scientist, and professional
- Be organised, with course units building on what you have learnt in the three main themes, adding new topics and ensuring that you demonstrate your mastery of these through assessments
- Provide assessments that drive you towards achievement of excellence, plus timely, detailed, feedback

Where you study

All students study for their first two years on the main University of Manchester campus. To ensure you get the greatest access to a broad range of patients and doctors as teacher and role model, we use off-campus clinical attachments in Years 3-5 through one of our base hospitals in the University cities of North West England: Manchester, Salford and Preston.

Manchester Medical School works in close partnership with local NHS Hospital and Community Trusts in Greater Manchester and the wider North West. You will undertake a range of placements in both community and hospital settings. All placements are regularly audited to ensure a high-quality learning experience.

European Studies

You may apply to enrol on the European Studies option in Year 1. You will need linguistic ability to AS or A2-level standard, or equivalent, in French, German, or Spanish. On the ES option, you will enhance your language skills by weekly tuition in your selected language and will undertake an extended placement at one of our partner universities in France, Germany, Spain, or Switzerland.

Foundation Year

If you do not have the required science qualifications for the five-year course, but have achieved good A-levels in other subjects, or have equivalent academic competence or potential, you may apply for our Foundation Year, which will provide you with the necessary underpinnings of biomedical sciences. The year is run in collaboration with Xaverian College (www.xaverian.ac.uk), close to our campus. Satisfactory completion leads directly on to the five-year course.

Career opportunities

UK medical graduates are currently able to secure a place on the two-year programme that leads to full registration with the General Medical Council.



The best thing about studying Medicine at Manchester is the opportunity to meet patients from day one. The Early Clinical Experience aspect of the course gives us the opportunity to improve our communication skills before being actively involved in patient care during our clinical years.

Neil Forbes
Medicine MBChB





WHY MANCHESTER?

- Over a century's experience in studying the Middle East
- Teaching shaped and informed by the research and publication activity of our internationally reputed academic staff
- Degree structures that leave ample room for personal choice and flexibility
- Multicultural population and Middle East communities, making the city the perfect place to enrol in a Middle Eastern Studies degree



Find out more...

www.manchester.ac.uk/languages
ug.languages@manchester.ac.uk
t +44 (0)161 275 3211

Arabic Studies BA 4yrs

UCAS Code T624

English Language and a Middle Eastern Language BA 4yrs

UCAS Code QT36

Hebrew Studies BA 4yrs

UCAS Code T654

Linguistics and a Middle Eastern Language BA 4yrs

UCAS Code QT16

A Middle Eastern Language and a Modern European Language BA 4yrs

UCAS Code TR69

Middle Eastern Languages BA 4yrs

UCAS Code T608

Middle Eastern Studies BA 3yrs

UCAS Code T601

Middle Eastern Studies and Screen Studies BA 4yrs

UCAS Code TW66

Modern Language and Business and Management (Arabic) BA 3yrs

UCAS Code TN61

Modern Middle Eastern History BA 3yrs

UCAS Code V140

Modern Middle Eastern History and Arabic BA 4yrs

UCAS Code VT26

Typical offer

A-level: AAB-BBC
IB: 36-29

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

The Middle East plays an important economic and political role in the modern world, and offers great cultural diversity and richness. Several globally important religious traditions come from the Middle East, including those that have shaped the history of Europe.

At Manchester, teaching in the two modern languages – Arabic and Hebrew – is accompanied by the study of the national cultures, societies and religious traditions, placed in the context of their Middle Eastern neighbours. Our courses explore the fascination of the modern Middle East, but also its historical roots, and classical forms of the modern languages can be explored in most courses. Syriac and Aramaic are taught as historical languages.

Our University Library and University Language Centre provide excellent learning support.

What you study

Arabic Studies

Duration: Four years

Combines written and spoken Modern Standard Arabic, with a wide choice of options in culture, literature, history, international relations, politics and religious studies. Arabic is taught *ab initio* (no prior knowledge required); you will reach an advanced level of language competence.

The course offers considerable flexibility; you may build your own tailor-made curriculum around the compulsory language core. You spend Year 3 abroad on an intensive language course in a country where Arabic is spoken.

Hebrew Studies

Duration: Four years as Arabic Studies above, but you spend Year 3 in Israel.

Modern Middle Eastern History

Duration: Three years

Combines a compulsory language core in two modern Middle Eastern languages (Arabic and Hebrew) with options in politics, international relations, culture, literature, language and religious studies. Other topics include the Israeli-Palestinian conflict, nationalisms and nationalists of the Middle East, the impact of the Cold War, and the coup d'états and revolutionary upheavals that characterised this volatile region throughout the 20th century. The historical core focuses on the political and diplomatic history of the Middle East during the last 200 years.

You explore the historical roots of the present political map of the Middle East by going back to the transformations occurring within the Ottoman Empire and Iran throughout the 19th century, and by looking closely at the crucial juncture for the area's borders that was the First World War.

Modern Middle Eastern History and Arabic

Duration: Four years

Follows a similar pattern to that of Modern Middle Eastern History. Arabic is taught *ab initio* (no prior knowledge required); you will reach an advanced level of language competence. The historical core is combined with study of Modern Standard Arabic (same intensity as for the Arabic Studies BA).

You spend Year 3 abroad, divided between two Middle Eastern countries where your languages are spoken.

Middle Eastern Languages

Duration: Four years

Combines a compulsory language core in two modern Middle Eastern languages with options in culture, history, politics, literature and religious studies. Both languages are taught *ab initio* (no prior knowledge required); you will reach an advanced level of language competence.

You spend Year 3 abroad, divided between two middle Eastern countries where your languages are spoken.

A Middle Eastern Language and a Modern European Language

Duration: Four years

Combines a compulsory language core in two languages with options in culture, literature, politics, history, linguistics and in religious studies. The Middle Eastern language is taught *ab initio* (no prior knowledge required), while an A-level (minimum grade A) in the chosen non-Middle Eastern language is required for combinations involving French and Spanish. For combinations involving Russian, Italian and German, no prior knowledge is required in those languages, and they can also be studied *ab initio*; however, in those cases, you must have at least one A-level (minimum grade B) in a foreign language.

You spend Year 3 abroad, divided between a Middle Eastern and another country in which your chosen languages are spoken.

Modern Language and Business and Management (Arabic)

Duration: Four years

You study business and management in both European and global contexts, as well as Arabic language. Arabic is taught *ab initio* (no prior knowledge required); you will reach an advanced level of language competence. You also study aspects of management, economics, finance, accounting and international business issues.

You spend Year 3 abroad on an intensive language course in a country where Arabic is spoken.

Middle Eastern Studies

Duration: Three years

Provides an in-depth understanding of a large region of central importance to the contemporary world. It takes onboard academic developments in fields such as globalisation, cultural identity, diaspora and emigration studies, gender studies, and post-colonial studies, all of which are based on techniques in the analysis of evidence across several Middle Eastern languages.

Language skills are useful in achieving an advanced understanding of the Middle East, but they are not the only route. This degree course therefore allows and encourages the study of language(s) up to the end of Year 2, but does not make language study compulsory. You have a considerable degree of flexibility and may build your own tailor-made curriculum according to your interests and priorities.

Middle Eastern Studies and Screen Studies

Duration: Four years

Combines Screen Studies with a Middle Eastern language (same intensity as for Arabic and Hebrew). Screen Studies focus on understanding film, its history and pre-history, and its development across other media (eg. television, DVD, internet distribution). Your chosen Middle Eastern language is taught *ab initio* (no prior knowledge required); you will reach an advanced level of language competence.

You spend Year 3 on an intensive language course in a country where your chosen language is spoken.

Linguistics and a Middle Eastern Language

Duration: Four years

Combines the study of Linguistics with a Middle Eastern language (same intensity as for Arabic and Hebrew). The chosen Middle Eastern language is taught *ab initio* (no prior knowledge required); you will reach an advanced level of language competence.

You spend Year 3 on an intensive language course in a country where your chosen language is spoken. For more details, see *p132*.

English Language and a Middle Eastern Language

Duration: Four years

Combines the study of the English language with a Middle Eastern language (same intensity as for Arabic and Hebrew). Your chosen Middle Eastern language is taught *ab initio* (no prior knowledge required); you will reach an advanced level of language competence.

You spend Year 3 on an intensive language course in a country where your chosen language is spoken. For more details, see *p132*.

Career opportunities

Opportunities exist for a wide range of careers. Our graduates develop skills that are valuable for many occupations, including teaching in schools and colleges, broadcasting and print journalism, the publishing, legal, personnel and public sector professions, the Civil Service (including the foreign and various intelligence services), private business (especially oil, retail and real estate), and many others.

We also offer you the opportunity to embark on postgraduate studies within one of Middle Eastern Studies' sub-disciplines. A number of our graduates have followed this path and pursued successful careers in higher education within the UK and abroad.



Studying Arabic at Manchester has given me a better understanding of the Middle East whilst allowing me to develop essential academic skills, thanks to the friendly and expert staff here in the department. I was also able to live and study Arabic in Egypt and Jordan, which was an incredible experience!

Kelly Murphy
BA Middle Eastern
Studies and a Modern
European Language



WHY MANCHESTER?

- Modern language provision that is among the broadest and most diverse in the UK, with varied, flexible courses
- Training in the contemporary spoken and written language, as well as exposure to regional dialects, conducted largely by native speakers
- Close links with representative institutions of French, Spanish, German, Italian, Chinese and Japanese
- Award-winning teachers and highly rated academic research staff, attracting generous government funding

Find out more...

www.manchester.ac.uk/llc
ug.languages@manchester.ac.uk
t +44 (0)161 275 3211

Our modern language provision includes Japanese, Chinese, French, German, Italian, Russian, Spanish, Portuguese, Arabic and Hebrew to degree level, as well as instruction in Catalan, Polish and Dutch. Our Language Centre also offers courses in English language and in foreign language for students throughout the University. You can explore a wide range of subjects relating to these languages and the countries where they are spoken. Besides linguistic expertise, you acquire essential skills in IT, analysis, communication, team working and time management.

We offer Single and Joint Honours degrees, an Integrated Professional Master in Languages (IPML) – a prestigious undergraduate masters – and various joint degree courses with partners across the University.

Typical offer

A-level: AAA-BBC
IB: 37-29

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Facilities and resources

Top-quality resources and excellent self-study facilities are available in both our University Library and our University Language Centre. The ULC also puts you in touch with native speakers for regular conversation practice in your chosen language. We enjoy close links with branches of the Alliance Française and Instituto Cervantes, which are based in the city centre; and we are an official Prüfungszentrum for Goethe-Institut examinations in German language.

Your progress and welfare are monitored by an academic advisor, who can offer advice whenever necessary. You also maintain a personal development plan that you can discuss with your academic advisor. This helps you assess your skills development, and aids your career prospects by enabling you to build up a personal profile.

Skills development and specialisation

The languages specialisation enables you to study a modern language over four years, including a compulsory period of residence abroad in Year 3, in a country where the language you study is widely spoken. Diverse activities designed to build on your linguistic abilities include work in speaking, listening, reading and writing (including translation work).

Year 1 includes introductory units covering linguistic, cultural, literary,

or historical subjects. As you progress, you can choose from an enormous range of more specialised subjects, such as linguistics, cultural studies, film and media studies, history, politics, religion and translation.

If you study a language in combination with another subject (including a second language), you will study the two areas equally during Year 1. You may continue with this equal split, or weight your studies in a two-thirds/one-third combination in Years 2 and 4. This flexible approach enables you to build up a highly distinctive academic profile that is tailored to your particular interests and aims.

What you study

For courses in Chinese, see p70; French, p101; German, p104; Italian, p110; Japanese, p113; Middle Eastern Studies, p146; Russian, p172; Spanish and Portuguese, p180; European Studies, p100.

Career opportunities

Language graduates are extremely successful in the job market; employers value high-level language skills, even where jobs do not directly require foreign languages. Your linguistic expertise and the other skills you acquire during your studies will open up many career paths with an international dimension in areas such as business, industry and finance. Our alumni have pursued careers in areas such as finance, journalism, broadcasting, IT, marketing, project management, energy and publishing.

You may also opt for further study, for a professional or vocational qualification (such as a PGCE) or for a higher degree (such as an MA or a PhD).



WHY MANCHESTER?

- One of the top places to study music in the UK, with outstanding quality research and teaching
- Cutting-edge facilities, including an £8 million purpose-built building with a state-of-the-art concert hall and £2 million computer music research studios
- First-class visiting instrumental teachers from the city's professional orchestras: the BBC Philharmonic, Hallé Orchestra and Manchester Camerata

Music MusB 3yrs

UCAS Code W302

Music and Drama BA 3yrs

UCAS Code WW34

See p85.

Typical offer

A-level: AAB

IB: 35

Associated Board (or equivalent examinations) Grade 8, preferably at Distinction, on an instrument/voice.

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

In the 2008 Research Assessment Exercise, Music at Manchester ranked among the top three departments in the country, a position we have maintained for the past 15 years. In 2010, The Times rated our department second in the UK.

Cutting-edge environment

Our five-decade history has recently seen a major leap forward, with new facilities including the Cosmo Rodewald Concert Hall, John Thaw Studio Theatre, Lenagan Library, extensive audio/visual provision, the NOVARS composition research centre, and enhanced performance, workshop and practice spaces.

We provide a diverse, challenging musical training within a lively, creative environment, via a flexible and varied course focused on performance, composition and musicology. We select very able students in order to maintain our strong performing tradition, while cultivating musical techniques, historical/contemporary musicology and composition.

Manchester music

Our friendly, internationally recognised, research-active staff (including seven musicologists and six composers) are complemented by first-class visiting instrumental teachers from the city's professional orchestras, while our internationally acclaimed string quartet in residence, the Quatuor Danel, offers chamber music coaching, concerts and seminars.

In 2010-2011, we put on more than 100 concerts, covering a range from classical, contemporary, experimental, and electro acoustic works, to jazz and world music, such as African, gamelan and Northumbrian pipe music.



Find out more...

www.manchester.ac.uk/music

ug-music@manchester.ac.uk

t +44 (0)161 275 4987

What you study

Our courses offer scholarly and practical education in musicianship, preparing you for professional activity in performance, composition, musicology, music journalism, arts administration, postgraduate study and many non-music fields.

MusB

The MusB (Hons) is an established and highly regarded three-year, full-time degree course. Course units incorporate the latest staff research, which covers a wide range of historical periods and genres.

Topics spread from medieval music to the English Baroque, ethnomusicology, Beethoven studies, German Romanticism, Shostakovich, popular and film music, electro acoustic music, analysis and all forms of composition.

MusB and PgDip RNCM

The MusB (Hons) and graduate diploma RNCM joint course is a four-year double degree.

Combining study at a premier music conservatoire with one of the highest-rated university music departments in the UK, this unique course provides excellent training for those students that are gifted both academically and as performers. Your first three years follow both undergraduate courses, with your final fourth year spent at the Royal Northern College of Music (300 yards from the School). Most performance tuition is provided by the RNCM.

Entrance to this course is highly competitive. To apply, you must submit an application for course 399F to the RNCM via CUKAS by early October, stating 'Joint course with The University of Manchester'. All applications are equally reviewed by the College and the University. Candidates who wish to be considered for the University MusB, in the event that their joint course application is unsuccessful, MUST apply to the MusB course W302 through UCAS as well.

Music and Drama

As well as music, you study theatre, drama and film through history, theory and practical performance on this BA (Hons). One-third of your time focuses on music, one-third on drama, and one-third on interdisciplinary topics, such as music theatre, or music and film.

Career opportunities

You will be well prepared for any field of employment that requires a creative imagination and excellent communication skills. Past students have gone on to achieve national and international successes in conducting, composition, early and contemporary music performance, arts administration and musicology.

Many of our students stay a fourth year with us for a masters course in Musicology, Composition, or Electroacoustic Composition, opening further paths to the profession through research and/or success in international competitions. Others take a PGCE as a route into the teaching profession, or follow careers in law, publishing, business, or journalism.



The work ethic, high standards and wonderful enthusiasm and love for music I picked up during five years studying music at Manchester has been a constant source of inspiration since I left.

Rob Stewardson,
MusB 2008
Music teacher
in South Africa



WHY MANCHESTER?

- One of the UK's leading departments in nursing, midwifery and social work
- International reputation for outstanding teaching and research
- Excellent clinical practice learning opportunities in a range of hospital and community settings
- Registered qualification from the UK Nursing and Midwifery Council (NMC), allowing you to practice as a qualified nurse or midwife



Find out more...

www.manchester.ac.uk/nursing
ug.nursing.bnurs@manchester.ac.uk
Adult: t +44(0)161 306 7600
Child/Mental Health:
t +44(0)161 306 7603
ug.midwifery@manchester.ac.uk
t +44 (0)161 306 7602

Adult Nursing BNurs 3yrs

UCAS Code B740

Children's Nursing BNurs 3yrs

UCAS Code B730

Mental Health Nursing BNurs 3yrs

UCAS Code B762

Midwifery BMidwif 3yrs

UCAS Code B720

Typical offer

BNurs

A-level: Children's: BBB, Adult:
BBC, Mental Health: BCC
IB: 28-31

BMidwif

A-level: ABB
IB: 33-34

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

Our School topped the UK table for nursing and midwifery research in the last Research Assessment Exercise and regularly receives excellent independent assessments for the quality of our teaching and learning. Courses are divided equally between campus-based academic study and practice learning experience in a range of settings, where you are supervised by qualified health professionals (mentors).

To allow sufficient time in practice, our courses are based on a full-time working week, in which you work similar shifts to your mentor when in clinical practice. This includes weekends, bank holidays and night duty. Additional private study is required each week to prepare for lectures, practice placements and assessments.

As well as gaining an academic qualification, successful students become eligible for registration

with the Nursing and Midwifery Council (NMC) as a nurse or midwife. This registration allows you to practice in a wide range of settings across the UK. Our courses prepare you to provide high quality care to your clients and equip you with the potential to become future leaders and researchers in your chosen field.

What you study

Bachelor of Nursing (BNurs)

The BNurs (Hons) degree enables you to specialise in one of three fields of nursing practice: adult nursing, mental health nursing or child nursing. You must choose your field before starting the course.

Aspects of nursing theory and practice core to all fields of nursing are spread throughout the course; emphasis on the chosen specialist field increases each year. We emphasise the importance of competence in clinical nursing practice combined with in-depth knowledge and evidence-based decision-making skills. The course overall is divided equally between theory and supervised practice.

The degree prepares you to practise effectively in a variety of nursing settings relevant to your chosen field. You study the theoretical basis of nursing practice and a range of theories of human functioning drawn from behavioural, social and biological sciences. This is combined with supervised clinical practice in a range of nursing settings through which clinical experience increases each year.

Year 1: Some shared learning with students from other fields with application of shared learning to your chosen field. You study nursing theory and practice, anatomy and physiology, microbiology, pharmacology, social



“

Opportunities here are life-changing. I've gained skills, learned about myself. I've got faith in my ability to achieve; I believe my opinions are valid. The SU has so many facilities with sabbatical officers who make a difference. Get involved! I've made fantastic friends and a professional network for my career. I've got a lot more than a degree and I feel really attached to the uni.

”

Tayaba travelled the world for three years after A-levels before deciding what to do next. Visiting countries from Canada to Ethiopia didn't quench her wanderlust and she decided that a nursing career would enable her to work while continuing to travel. Once enrolled at Manchester, however, Tayaba's interest in the subject developed a lot deeper.

“My course made me realise that I do enjoy academia: writing with focus, backed up with context, not just conjecture. I thought I'd do Adult Nursing so I could travel, but the Mental Health lecturers got to me – they were so passionate, it drew me in. It's a developing area in which I can make my mark. Plus, I'm nosy, and it's all about human stories, so perfect for me! I set up a student society to raise awareness of mental health issues – which helped me win the University's Student of the Year Award.”

Find out why Tayaba advocates joining student societies, sought and gained a lot of support in her first year, and sees Manchester as much more than a party city:

www.manchester.ac.uk/ug/profiles

MANCHESTER MADE ME...

A CAREER NETWORK FOR LIFE

Tayaba Nicholson, 24, from mid-Wales
BNurs Mental Health Nursing

and behavioural sciences, nursing theory, study skills, epidemiology and public health, research and evidence-based practice, and communication. You also undertake at least two clinical placements.

Years 2 and 3: The field-specific focus increases, so you develop in-depth knowledge and skills related to your chosen field. This is across a range of settings and specific patient/client groups with a variety of acute, medium- and long-term conditions. Elements of shared learning across all fields include pathology, pharmacology, health psychology, nursing assessment, management and leadership, research- and evidence-based practice.

Supervised practice placements increase in number each year and include an elective placement where you have some choice to experience an area of specific interest. Year 3 develops and extends your knowledge and practice and the final extended practice placement enables you to develop skills in management and leadership, ready for your role as a qualified nurse.

Bachelor of Midwifery (BMidwif)

This BMidwif (Hons) is based on a philosophy of midwifery practice where midwives work in partnership with women and their families, to provide care that will meet their individual needs. We aim to prepare graduate midwives who can provide high quality care for their clients, and will go on to use their leadership skills, to contribute to the development of maternity services. A well-structured curriculum, excellent learning opportunities, impressive learning resources and individual support is available for you. The

course is modular in structure and is divided equally between theory and clinical practice.

Year 1: You focus on knowledge and skills needed to provide midwifery care for women and families experiencing a physiologically normal childbirth process. You study essential information about childbearing, midwifery theory and evidence-based practice, as well as core topics such as anatomy and physiology, microbiology, and communication skills. You also gain detailed knowledge and understanding of infant feeding issues. Clinical placements focus on the development of basic midwifery skills in a range of settings, including community, delivery suite and post-natal wards.

Year 2: You examine aspects of complicated childbirth and the specific roles, responsibilities and skills of midwives when caring for women with complex needs. You also study strategies for caring for sick and at-risk neonates. Further knowledge and skills for understanding research provide a sound foundation for critically appraising research studies as a basis for evidence-based approaches to midwifery practice. Models of midwifery-led care are examined, focusing on preparing you for your midwifery case-holding experience.

Clinical placements aim to develop your skills in providing antenatal, intranatal and postnatal care. You also undertake short placements in a neonatal or transitional care units, medical care environments and gynaecological areas.

Year 3: The final year consolidates and extends your existing knowledge and skills, to equip you for the transition to qualified midwife status. This includes skills

for responding to and managing midwifery emergency situations and the role of the midwife in health promotion and public health. To prepare for qualified practice, you also examine key aspects of management, leadership and practice development.

Completing a dissertation helps you to evaluate research evidence and apply such knowledge to practice, or begin to plan your own research project.

As well as the normal range of midwifery placements in Year 3, you regularly provide care for a small caseload of families.

NB The BMidwif curriculum for 2013 is currently under development, so the sequence of some course elements outlined above may be subject to minor change.

Career opportunities

Our graduates have taken up a wide variety of positions in their chosen specialities in the UK and overseas. Career prospects are excellent, with significant opportunities for employment and further professional development and specialisation. UK-registered nursing and midwifery qualifications are recognised in many countries and therefore provide potential opportunities for travel and work abroad.

Funding

All UK and EU students on nursing and midwifery courses have their tuition fees paid in full by the NHS. Due to funding issues, we are only able to accept applications for these programmes from UK and EU citizens. UK students accepted onto the programmes may also apply for an NHS bursary.

See:

www.nhsbsa.nhs.uk/students

WHY MANCHESTER?

- Brand new, purpose-built facilities
- Clinical experience at one of Europe's leading eye hospitals, the Manchester Royal Eye Hospital
- Renowned researchers involved in your lectures and practical units, giving you excellent standards of teaching

Optometry BSc 3yrs

UCAS Code B510

Optometry MOptom 4yrs

You should only apply to the BSc in the first instance. At the end of your second year, if you would like to continue onto the MOptom course and are selected (based on a good academic performance), you can embark on the final two years of the MOptom.

Typical offer

A-level: AAB

IB: 35

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

Manchester has long been an important centre for optometry. The British Optical Association was founded here in 1964, and we were the first UK university to introduce a course leading to a BSc in 'Ophthalmic Optics', the term now superseded by the more internationally-recognised 'Optometry'.

We offer a four-year undergraduate masters course (MOptom), as well as the popular BSc (Hons) in Optometry. The MOptom is the only course in the country that allows you to register directly with the General Optical Council and go straight into practice as soon as you graduate, without undertaking a year of pre-registration practice.

Cutting-edge facilities

Optometry moved into brand new, purpose-built facilities at the heart of the biomedical section of the campus in August 2011. The Carys Bannister Building includes a dispensary, 16 bespoke optometric examination rooms, numerous dedicated specialist clinic rooms and dedicated laboratories for non-clinical practical sessions.

Informed teaching and research

Our teaching is enhanced by the contribution of more than 30 optometrists, dispensing opticians, orthoptists and ophthalmologists from private and hospital practice, all of whom are part-time members of the Faculty.

Our research interests embrace most aspects of visual science, from the interaction of contact lenses with the ocular surface, to the processing of retinal images in the brain – all of which informs your course. EuroLens Research, the European Centre for Contact Lens Research, is based here.



Find out more...

www.manchester.ac.uk/lifesciences

ug.lifesciences@manchester.ac.uk

t +44 (0)161 275 5032

What you study

Year 1: Introduces you to the scientific principles that underpin optometry, including the properties of light, the anatomy of the eye and the processing of vision in the brain. You will learn about ophthalmic appliances, such as lenses, and instrumentation, such as retinoscopes. The clinical element of the course will introduce you to general eye examination techniques and you will start to meet patients in the second semester.

Year 2: You further develop your knowledge of ophthalmic appliances and optometric instrumentation. You cover a broad range of new topics, including human disease processes, pharmacology, contact lens practice and binocular vision.

The clinical element of the course will develop your skills so that by the end of the year, under supervision, you will have the competence and confidence to examine members of the public.

You spend one week full-time at Manchester Royal Eye Hospital during the vacation between Years 2 and 3, gaining a wealth of practical clinical experience in all hospital departments. This is a unique element of our degree courses and is not offered at any other UK university.

Years 3 and 4: At the end of Year 2, if you wish to proceed to the MOptom and are selected, based on good academic performance and communication skills, you embark on the final two years, which will include a year of practical experience – in both private practice and at an eye hospital – plus advanced project and lecture courses.

Otherwise, you continue with Year 3 of the BSc course, which includes further comprehensive clinical practice, hospital clinics and a dissertation.

For full details of all the course units available, visit:

www.manchester.ac.uk/lifesciences

Career opportunities

Optometry is a vocational course with excellent career prospects; 96% of our graduates were employed in a graduate job within six months of completing their Optometry degree with us.

Optometry is rewarding work, involving meeting a variety of people and helping them to lead a fuller life by correcting their vision with spectacles or contact lenses, establishing the eyes are healthy and advising on eye-care matters. Increasingly, optometrists are becoming involved with a wide scope of practice, including prescribing ocular therapeutics for eye disease.

Many graduates enjoy the business challenge of establishing and running their own optometric practices. Some optometrists choose to work in the Hospital Eye Service, or you could choose to teach or undertake research in industry or academia.

Find out more

We can only give you a brief overview of all of our activities here. For more information, contact us and ask for our optometry brochure. If you would like to come and have a look around our facilities, contact our Recruitment and Admissions Office staff, who will be happy to organise a personal tour with a student ambassador at a mutually convenient time.



I love the fact that we have interactions with real patients from the first year, which really helps in applying the knowledge we learn in lectures. The teaching staff and facilities in the optometry department are fantastic.

Jessica Onah
BSc Optometry



PHARMACY AND PHARMACEUTICAL SCIENCES

WHY MANCHESTER?

- Distinguished history in pharmacy at the first UK university to award degrees in this subject
- Unique combination of scientific, professional and clinical excellence in teaching to prepare you fully for all areas of the pharmacy profession
- Innovative teaching practices, state-of-the-art teaching facilities and specialist teacher practitioners ensuring our courses are informative, immensely rewarding and fun



Find out more...

www.manchester.ac.uk/pharmacy
ug-pharmacy@manchester.ac.uk
t +44 (0)161 275 2334

Pharmacy MPharm (including Foundation Year) 1 + 4yrs
UCAS Code B231

Pharmacy MPharm 4yrs
UCAS Code B230

Typical offer

Due to the detailed nature of entry requirements for the two pharmacy courses, we are unable to include a typical offer in the prospectus. For complete and up to-date information on our entry requirements for Pharmacy and Pharmaceutical Science, you will need to visit our website:

www.manchester.ac.uk/pharmacy

Pharmacy as a profession

One of the most dramatic advances in healthcare has been the development of highly specific and effective medicines – medicines that have virtually eliminated killer diseases of the past and reduced the impact of many others. Today, more than ever before, administering the nation's health care requires a team effort involving many professions. The pharmacist is a key member of this team, developing, dispensing and managing the use of medicines.

Community pharmacists have everyday contact with the general public, acting as a readily accessible, qualified advisor on health matters. The combination of a scientific discipline working within a social context provides a great deal of satisfaction in the workplace.

Hospital pharmacists are responsible for provision of medicines to patients and also provide advice to medical and nursing colleagues on the action and use of medicines and any potential toxic side effects. Industrial pharmacists are employed in the areas of research, production and marketing of medicines.

Pharmacy can offer rewarding and worthwhile careers. There can be few careers that offer such a variety of interesting employment.

Pharmacy at Manchester

Established in 1883, pharmacy and pharmaceutical sciences have a long tradition in Manchester.

Today, we are an innovative leader in the teaching of the subject and perform research of international repute. This is advanced within six research themes: the design of novel anti-cancer compounds; improving the understanding and design of anti-infective and novel diagnostic agents; prediction of pharmacokinetics in humans; delivery and pharmacokinetics of biopharmaceuticals; controlled and responsive drug delivery; and policy-relevant medicines research.

All final-year students participate in an area of research from which you can evaluate current methods of research and, where appropriate, propose new hypotheses.

What you study

Foundation Year

If you have obtained A-levels (or equivalent) in appropriate subjects, but not the grades required for direct admission to the four-year MPharm degree – but you have experienced educational or other disadvantage – you are encouraged to apply to our Foundation Year. You may also apply if you do not have the required science qualifications for entry into the four-year course, but have achieved good A-level grades in other subjects, or can demonstrate equivalent academic competence or potential.

This is run in collaboration with Xaverian College (www.xaverian.ac.uk), a short walk from our main campus, alongside tutorials and laboratory classes in the University's School of Pharmacy. You study a common core of units in biology and chemistry, along with some foundation mathematics and statistics and a pharmacy-specific unit.

Satisfactory completion of end-of-year assessment leads onto the four-year course.

Four-year MPharm

This course gives you a broad-based, scientifically strong education in pharmacy, including extensive clinical training, which enables you to enter all areas of the profession on graduation and to adapt to changes that may occur during your professional life. By the end, you will be conversant with the wide range of topics relating to pharmacy and the pharmaceutical sciences, be able to communicate effectively and be able to appreciate the professional and social role of the pharmacist.

As well as the traditional methods of formal lectures and practical classes, you are taught through tutorials, video and computer-assisted learning. You develop communication skills through oral and written presentations.

We are committed to innovative teaching methods, including problem- and enquiry-based learning, and have a computer-assisted learning laboratory, which you use throughout your degree as an aid to your studies. Video and interactive video programmes are also used for role-play simulations in therapeutics teaching.

You follow a compulsory core course unit with extensive specialisation in the final year, involving a large-scale project in the area of your choice. As a formal part of your studies, during Years 2, 3 and 4, you make visits to a local hospital, where you take part in ward rounds and discuss case histories of patients with practising hospital pharmacists.

Knowledge is mainly assessed in end-of-semester examinations by essay-type questions, short answers, multiple-choice questions and web-based assessment. Your practical skills are continuously assessed during practical classes and examinations and in Year 4 you undertake a project from which your laboratory, oral communication and report-writing skills are assessed. Your final degree mark is based on the results of examinations in Years 2, 3 and 4, and the Year 4 project.

Career opportunities

Upon successful completion of the MPharm degree, you are recognised by the General Pharmaceutical Council of Great Britain as entitled to register as a pharmacist after completing one year of pre-registration training.

Our Pharmacy course has a broad interdisciplinary scientific base and is flexible enough to meet differing career aspirations, whether in community pharmacy, hospital pharmacy, the pharmaceutical industry, or in research.



My experience as a pharmacy student thus far has been amazing! My favourite aspect has been working through courses in various scientific disciplines and understanding their contribution to pharmacy. This has allowed me to also appreciate the expertise of my professors and the work that goes into running the course. As such, I have great confidence in the quality of education I'm receiving.

Christine Mwangi
Pharmacy MPharm



PHILOSOPHY

WHY MANCHESTER?

- Long-established tradition of teaching and research in philosophy
- Excellent teaching standards: Philosophy gained the highest possible score in the most recent Teaching Quality Assessment exercise
- Cooperative and supportive environment that promotes a spirit of open enquiry and intellectual rigour for our students
- Student-run Philosophy Society that meets regularly for talks and social activities



Find out more...

www.manchester.ac.uk/socialsciences
t +44 (0)161 275
4470/2291/1473/4748

Economics and Philosophy

BA (SocSci) 3yrs
UCAS Code LV15

Philosophy BA 3yrs

UCAS Code V500

Philosophy and Criminology

BA (SocSci) 3yrs
UCAS Code VL53

Philosophy and Politics BA

(SocSci) 3yrs
UCAS Code VL52

Politics, Philosophy and

Economics (BA) 3yrs
UCAS Code LV25

Social Anthropology and

Philosophy BA (SocSci) 3yrs

UCAS Code LV65

Sociology and Philosophy

BA (SocSci) 3yrs
UCAS Code LV35

See also BA Social Sciences and BA Economics and Social Studies p90, Mathematics and Philosophy p140, Physics with Philosophy p161, Politics, Philosophy and Economics p167

Typical offer

A-level: AAB-ABB
IB: 35-34

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

What is philosophy?

Here are some philosophical questions...

Can we really know that things are as they seem?

Are we free to decide what to do, when the universe is governed by the strict laws of physics?

Could a machine think or have feelings?

Are any sorts of behaviour objectively right or wrong, or do we merely think that they are right or wrong?

Are the claims of science and religion consistent?

What makes an artwork beautiful?

What these questions have in common is that they are fundamental to our ordinary understanding of the world.

Unless we can answer them, we cannot hope fully to understand knowledge, reality, mind, language, ethics, science, religion, or art.

To try to answer them, we need to step outside of our ordinary way of thinking about the world, and look at things from a different angle. We need to think logically, but also creatively; analytically, but also imaginatively.

Doing that can hurt your head sometimes, but is also a lot of fun.

Philosophy at Manchester

Philosophy at Manchester has a long and distinguished history. Past professors have included Samuel Alexander, Dorothy Emmet, Michael Polanyi, Arthur Prior and Graham Bird (Ludwig Wittgenstein was here for a while too, although he was studying aeronautical engineering rather than philosophy).

Besides supporting the research of our individual members, we have recently hosted a number of successful international conferences and become host to an annual series of Royal Institute of Philosophy symposia.

Relations between students and staff are friendly and relaxed, supported by our highly successful personal tutoring and mentoring schemes.

What you study

Philosophy

This structured, yet flexible course, informed by current research, aims to give you in-depth knowledge and understanding of some central areas of Western analytical philosophy, and to enable you to develop the ability to evaluate and think through for yourself philosophical arguments and positions.

The distinctive feature of this course is its analytical spine. Having covered some central areas of analytical philosophy in Year 1 (including critical thinking, metaphysics, epistemology and the philosophy of mind), you are then well equipped to cover more specialist course units in Years 2 and 3.

Options include course units in ethics, aesthetics, logic, metaphysics, the philosophy of language, the philosophy of religion and the history of philosophy.

Social Sciences

In this degree you can combine Philosophy with Criminology, Politics, Sociology or Social Anthropology. In Years 1 and 2, you take a range of course units in social sciences disciplines, including Philosophy and can continue to do so in the final year or you can specialise in a single area.

Career opportunities

Studying philosophy teaches you to think critically and imaginatively about a wide range of problems, and to present a clear and cogent case for your own conclusions. These are transferable skills highly prized by employers.

Our recent graduates have gone on to enjoy careers in journalism, law, publishing, social work and management and financial consultancy.



Philosophy teaches you to think on your feet, focus your arguments and state your views in a clear and concise manner so you can convince people of your views.

Kristina Boneva,
BA Philosophy





WHY MANCHESTER?

- One of the largest and most respected Schools of Physics and Astronomy in Britain, with two Nobel Laureates on the staff
- State-of-the-art facilities for both teaching and research, following a recent £75 million extension and refurbishment
- Only school of Physics to have consistently achieved an overall student satisfaction score of over 95% in each of the last four National Student Surveys
- Jodrell Bank Observatory, the renowned centre for radio astronomy, which is part of our School
- Well-equipped laboratories, including rooftop optical and radio telescopes, plus extensive in-house computing facilities and a dedicated library



Find out more...

www.manchester.ac.uk/physics
ug-physics@manchester.ac.uk
t +44 (0)161 275 4210

Mathematics and Physics

BSc 3yrs

UCAS Code FG31

Mathematics and Physics

MMath&Phys 4yrs

UCAS Code FG3C

Physics BSc 3yrs

UCAS Code F300

Physics MPhys 4yrs

UCAS Code F305

Physics with Astrophysics

BSc 3yrs

UCAS Code F3F5

Physics with Astrophysics

MPhys 4yrs

UCAS Code F3FA

Physics with Philosophy

BSc 3yrs

UCAS Code F3V5

Physics with Philosophy

MPhys 4yrs

UCAS Code F3VM

Physics with Study in Europe

MPhys 4yrs

UCAS Code F301

Physics with Theoretical

Physics BSc 3 years

UCAS code F345

Physics with Theoretical

Physics MPhys 4yrs

UCAS Code F346

See also *Science with an Integrated Foundation Year* p95.

Typical offer

A-level: A*A*A-A*AA

IB: 39-38

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

An outstanding reputation

At Manchester, our reputation rests equally on teaching and research. Our tradition has been established by many eminent teachers and researchers, including 12 Nobel Prize winners, such as Rutherford, Bohr, Bragg, Cockcroft, Chadwick and Blackett – and, most recently, Geim and Novoselov, who received the prize in 2010 for their pioneering work on graphene.

We have more than 80 academic staff, 100 research staff, 850 undergraduate and 270 postgraduate students. The quality of our teaching and the range of topics available to you reflect the diversity and excellence of our research. Our staff have written *The Manchester Physics Series*, a set of 17 undergraduate textbooks published by Wiley, which have sold more than 250,000 copies worldwide.

Wide-ranging research

Our research interests cover almost all of modern physics: astronomy; cosmology and astrophysics; condensed and soft matter physics (including super fluids, superconductors and liquid crystals); nanoscale and mesoscopic physics; non-linear dynamics and chaos; atomic, molecular and laser manipulation physics; high energy particle physics; laser photonics; nuclear physics; biophysics, and theoretical physics.

Our nuclear, particle and astrophysicists work at major experimental facilities around the world.

Our research activities consistently attract industrial support, and industry has strongly backed our programme to encourage more women to study physics.

What you study

You may study towards either a three-year BSc, or a four-year MPhys degree in most of our courses. The decision on which to choose is normally made at the start of your third year of study, and is independent of your original choice at the UCAS application stage.

Physics

Provides a foundation in classical physics in Years 1 and 2, including dynamics, waves, electromagnetism and thermodynamics. We also introduce newer concepts, such as the unification of space and time, the meaning of wave-particle duality, and the relation between entropy and disorder. This introduction is taught through course units in special relativity, quantum mechanics, cosmology and statistical mechanics.

These modern concepts and the techniques of classical physics lay the foundation for study in Years 3 and 4, during which you may choose from a wide range of options designed to develop your expertise in diverse topics, including: atomic and molecular structure; solid-state electronic devices; electromagnetic radiation; lasers; stars and cosmology; particle and nuclear physics; and the more advanced aspects of theoretical physics.

Physics with Astrophysics

Designed for students who want to obtain a solid grounding in physics, but who also want to study astronomy.

Astrophysics principally involves the application of the laws of physics to distant regions in which the physical conditions can only be inferred from the emission of electromagnetic radiation.

You learn about the sun and the solar system, the stars and the galaxy, distant galaxies and quasars and the beginning of the universe in the Big Bang. You learn how to apply basic physics in situations that are often extreme compared to those available on Earth.

You also get the chance to conduct experiments at Jodrell Bank, home of the world's third largest fully steerable radio telescope.

Physics with Theoretical Physics

Aimed at students interested in the more mathematical and theoretical aspects of physics. A significant amount of practical work is replaced by lecture courses and project work in theoretical physics.

In Years 1 and 2, you study the topics of advanced dynamics, advanced mathematics and computational physics. In Years 3 and 4, you study in more depth topics of particular interest to you, such as advanced quantum theory, electrodynamics and general relativity.

Physics with Study in Europe

Combines a comprehensive study of physics with one year of study in Europe. You will get a working knowledge of a European language and a different culture. Language tuition, including some physics tutorials in the foreign language, forms an integral part of the course. Exchanges are supported by the European Union's Erasmus programme.

Most students study at universities in France, Spain, Italy and Germany.



The work that got us the Prize, we started in Manchester. It was originally a side experiment from our mainstream work – we always have a few side experiments going, small things, sometimes crazy. I think this is really within the culture of the British system, you are allowed to do those crazy experiments, which allows you to be creative.



Professor Konstantin (Kostya) Novoselov works in the School of Physics and Astronomy. He received the Nobel Prize for Physics in 2010 and a knighthood in 2012 in recognition of his work with Manchester colleague Professor Andre Geim on a revolutionary super-material called graphene. When not dealing with international fame, he is devoted to his research, lectures to undergraduate students and watches *The Big Bang Theory* (which his work has featured on).

“The main reason you should come to Manchester is the quality. For studies, it’s probably the best. Academics here apply really huge efforts, in one-to-one tutorials and so on. The fact that it’s a huge place is an additional benefit. You always have experts in any field you need and, if you want to continue for a masters or PhD, you have a great choice of people to learn with here.”

Find out what Kostya thinks about the people of Manchester, the moment he discovered he’d won the Nobel Prize, and why you shouldn’t listen to advice:

www.manchester.ac.uk/ug/profiles

MANCHESTER MADE ME... A NOBEL PRIZE WINNER

Professor Konstantin Novoselov
Research Associate
School of Physics and Astronomy

Physics with Philosophy

Provides a solid grounding in all aspects of theoretical and experimental physics. A substantial amount of laboratory work is replaced by lecture courses and project work in philosophy. Typical course units forming the philosophy stream include moral philosophy, theory of knowledge, philosophy of science, and ethics. The works of Spinoza, Wittgenstein and Aristotle might also be studied.

If you continue to MPhys level, you undertake a major project in an area of physics and philosophy in your fourth year, as well as choosing from a diverse range of philosophy and physics option course units. See *p159*.

Mathematics and Physics

Enables you to study both mathematics and physics in depth. Teaching is greatly strengthened by staff research interests: there are large and lively groups active in both applied mathematics and theoretical physics. Topics of study from applied mathematics may include hydrodynamics, waves, elasticity and modelling of industrial processes. Research interests of the theoretical physicists cover, amongst others, cosmology, high energy particle physics, nuclear physics and quark matter, and field theory in curved space-time. See *p140*.

Study abroad

In addition to our Study in Europe course, we have exchange programmes with universities in Australia, North America and Singapore. Students on our Physics, Physics with Astrophysics, and Physics with Theoretical Physics degree courses can apply to study at one of these universities in their second or third year. See *p36*.

Visit days

Promising applicants will be invited to attend one of our visit days, which are held regularly between October and April. These allow you to see the School at first hand, and to meet members of staff and current students. You will also have an informal 30-minute interview with a member of staff.

Career opportunities

More than two-thirds of our graduates make direct use of their knowledge of physics and work in science-related, technical, or computing jobs, or go into teaching or postgraduate research.

Others go into the commercial, financial, actuarial and business sectors, pursuing careers in areas such as management, banking, accountancy, insurance and marketing, where analytical, numerical and technical skills are highly valued.



Physics at Manchester is great because we have an expert in everything!

Russell Dawson
MPhys Physics





WHY MANCHESTER?

- Illustrious history of more than 50 years in the undergraduate study of planning
- A city that was the cradle of the industrial revolution and is a pioneer in the difficult transition to a post-industrial economy – an ideal base from which to study environmental and urban planning and management issues
- Excellent facilities in purpose-built accommodation, including a comprehensive specialist library, project studios and new suites of networked PCs

City and Regional Development BA 3yrs
UCAS Code K421

Environmental Management BA 3yrs
UCAS Code F851

Town and Country Planning BA 3yrs
UCAS Code K402

Town and Country Planning MTCP 4yrs
UCAS Code K400

See also Environmental Science, p99.

Typical offer
A-level: BBB
IB: 31-32

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

The planning and management of the environment is becoming increasingly important as governments and societies all over the world struggle to balance the demands of both economic and sustainable development. These problems are the central concern of planning and environmental management at Manchester.

Our first courses in town planning began with teaching architecture undergraduates back in 1919, with a postgraduate diploma in Town and Country Planning launched in 1933. Our undergraduate degree courses originated in 1949, providing the basis for the separate Department of Town and Country Planning in 1952.

The School was a pioneer of information technology and systems thinking, and is now regarded highly for its reputation in the fields of urban regeneration, landscape renewal and environmental impact assessment, thanks in part to its ideal location in the heart of Manchester.

The benefits of Manchester

Manchester is a place of major urban change; it has a modern city centre, a regional shopping complex on its outskirts and one of the fastest-growing airports in Europe; and it saw many beneficial effects from the 2002 Commonwealth Games. There is plenty of scope to explore urban development pressures and environmental impacts.

A wide variety of rural environments also lie close at hand, including three spectacular national parks, new forests and other varied environmental initiatives.



Find out more...

www.manchester.ac.uk/planning
sed.admissions@manchester.ac.uk
t +44 (0)161 275 0969

Types of course

We offer four degree courses with some commonalities in first year, at the end of which it is possible to switch between courses. Three of these are three-year BA (Hons) courses. The fourth course entails four taught years, which leads to an enhanced undergraduate degree at masters level and full professional recognition by the Royal Town Planning Institute (RTPI).

The MTCP Town and Country Planning course has an important element of postgraduate and 'professional practice' teaching in the final year, and offers very competitive qualifications in the professional marketplace. If you are not seeking full immediate professional qualification, you can take the first three years and leave with a BA Honours degree that is still partially accredited by the RTPI.

What you study

All courses

Year 1: Introduces environmental and urban planning and management studies, and gives you a flavour of the sorts of problems and issues faced by professionals dealing with the planning and management of our built and natural environments. You examine ecological, social, economic and historical aspects of the wider environment, and learn about gathering, analysing and presenting information.

After this first year, you will continue as detailed for each course as follows:

Environmental Management

Year 2: Covers management aspects of both the built and natural environments.

Final year: Allows specialisation in your chosen aspects of environmental management through options and a dissertation.

City and Regional Development

Year 2: Covers management, economic and planning aspects of cities and regions.

Final year: Allows specialisation in your chosen aspects of urban and regional affairs through options and a dissertation.

Town and Country Planning

Year 2: Examines the role of spatial planning, the development process, countryside planning and sustainable cities, and teaches skills in spatial data analysis. You also start to specialise in areas of urban planning and regeneration, or environmental planning.

Year 3: Includes courses in planning theory and law, a dissertation, a field trip to a European city and further specialisation.

Year 4 (MTCP only): If you continue to this year, you concentrate on the professional nature of planning work. This leads to full exemption from the professional examinations of the Royal Town Planning Institute.

Career opportunities

Our courses are both academic and professional and lead to a variety of employment opportunities in both the public and private sectors. If you decide not to follow a vocational career, your experience in problem solving, your wide knowledgebase and your many transferable skills will prepare you for several other careers.



I chose Manchester to study Planning due to its reputation and strong links with the RTPI. What I liked most about the course was the variety of working styles, not solely essay-based; interaction with tutors and other students; links with external companies and bodies, including the Client-Based Project course unit.

Sarah Hine
MTCP





WHY MANCHESTER?

- Long-standing reputation for teaching and research in politics for more than 50 years
- Highest grade for teaching quality in the most recent Teaching Quality Assessment exercise
- International reputation for research excellence
- Extensive and diverse choice of relevant subject areas



Find out more...

www.manchester.ac.uk/socialsciences
baecon@manchester.ac.uk
t +44 (0)161 275 4470/2291/
1473/4748

Politics and International Relations is the study of political institutions, actors and processes and the examination of power – how it is attained and what it is used for. It covers: comparative political systems and political behaviour; international politics; political theory and ideas.

Our internationally recognised experts work in all these areas. The largest UK unit of our kind, we offer a wide choice of topics, such as: British and American politics, ethics, comparative European politics, the European Union, international relations, third-world politics, political theory, globalisation and gender.

Business Studies and Politics BA (Econ) 3yrs
UCAS Code NL12

Development Studies and Politics BA (Econ) 3yrs
UCAS Code LL92

Economics and Politics BA (Econ) 3yrs
UCAS Code LL12

Philosophy and Politics BA (Hons) Social Sciences
UCAS Code VL52

Politics BA (Econ) 3yrs
UCAS Code L244

Politics and Criminology BA (Econ) 3yrs
UCAS Code LM29

Politics and International Relations BA (SocSci) 3yrs
UCAS Code L200

What you study

Politics and International Relations (BSocSc)

Specialises in politics within a global context. You choose from an outstanding range of options across seven major sub-disciplines: British politics; European politics; comparative politics; development studies; international politics and international political economy; political theory; and public policy.

BA (Economic and Social Studies) in Politics

Politics and International Relations can also be studied as part of the wide-ranging Social Science degree, BA (Economic and Social Studies), in which you can take a broad variety of subjects, or specialise in a particular area. See p90.

Politics and Social Anthropology BA (SocSci)
UCAS Code LL26

Politics, Philosophy and Economics BA 3yrs
UCAS Code LV25

See also *Law with Politics p117*, *Philosophy and Politics p159*, *Politics and Modern History p106*, *BA Social Sciences p90*.

Typical offer

A-level: AAB-ABB
IB: 35-34

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Politics, Philosophy and Economics

This balanced, flexible course is informed by current research. You study significant topics, problems and issues in politics, philosophy and economics. You critically evaluate competing arguments on political events, ideas and institutions; you evaluate economic policies and place the study of economics in its broader institutional and political context; and you evaluate and analyse philosophical arguments and positions. Core topics include logic, the theory of knowledge, comparative politics, political theory, and micro- and macro-economics.

You can also study the philosophy of science, ethics, European politics, political economy, and the workings of the UK and other economies.

Career opportunities

Our graduates have become journalists, human rights campaigners, financial consultants, teachers, lobbyists, parliamentary researchers, graduate trainees, publishers and project management co-ordinators.



WHY MANCHESTER?

- Impressive history in teaching and research from a university that was at the forefront of the emergence of the discipline of psychology
- Outstanding facilities to support both teaching and research, including networked PC clusters and research laboratories, University-wide IT facilities, modern lecture theatres, seminar rooms and research cubicles
- Young, dynamic staff at the forefront of psychology research with excellent links to clinical psychology
- Opportunity to study abroad
- Accreditation by the British Psychological Society – essential for a professional psychology career



Psychology BSc 3yrs

UCAS Code C800

See also *Cognitive Neuroscience and Psychology p126*.

The above course has a four-year variant, where Year 3 is spent away from the University on the 'Study Abroad' pathway. See course description for details.

Typical offer

A-level: AAB

IB: 35

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

Psychology has a long and impressive history in Manchester. Study psychology with us, and you join one of the longest-established psychology departments in the UK. The discipline of psychology itself has its roots in Manchester and we appointed the first Professor of Psychology in 1919.

Our course is accredited as conferring eligibility for Graduate Membership of The British Psychological Society (BPS) and the Graduate Basis for Registration (GBR). The latter is the first step towards becoming a Chartered Psychologist.

What you study

Our degree course gives you a comprehensive foundation in the essential topics of psychology, with the ability to tailor your studies to own interests in Year 3. It focuses on the areas where our research is strongest, so you know you are always getting the most up-to-the-minute thinking and ideas in this exciting and challenging subject.

Our degree is divided into two parts:

- Part 1 (Years 1 and 2): Series of compulsory units giving you a thorough overview of the central theoretical ideas and empirical findings in psychology, plus experience of group working and presentation, and training in research methods, statistics and the use of computers.
- Part 2 (Year 3): Choose from a wide range of course units, and carry out a research project on a topic of your choice, under the supervision of a member of staff. This leads to a written report and presentation at the end of the year.

The course is designed to meet the needs of students with different interests. It does, however, make considerable demands on our students, both in time and effort.

We devote a lot of time to training you in the skills required to carry out psychological investigations, through practical classes, instruction in computing and statistics and especially through the research project, which forms a major part of Year 3.

You also have the opportunity to take the Manchester Leadership Programme in Year 2 or 3:

www.manchester.ac.uk/mlp

Find out more...

www.manchester.ac.uk/psych-sci
ug-psychology@manchester.ac.uk
 t +44 (0)161 275 8584

We welcome applications from international students, who are guaranteed a warm welcome and the opportunity to meet, work and socialise with people from all parts of the UK and overseas. We regularly take at least ten international students onto the first year of the degree course. To find out more about entry requirements for your country, see: www.manchester.ac.uk/international/country

How will I be taught?

In your first and second years, you study a number of compulsory course units. Each unit involves a series of weekly lectures supported by small-group teaching in seminars or laboratory classes.

Every year, each student is assigned an academic advisor who will arrange regular meetings with you to discuss your work, and who is available to advise on personal problems or difficulties. They will meet you at least once per semester to help you to build a personal and academic portfolio. This can be very helpful in developing general learning skills and in reviewing and evaluating core transferable skills that will be important in future careers.

You also work in student groups to carry out small-scale research projects and to work through your 'personal study' unit. In Year 3, you undertake a research project under the supervision of a member of staff, who also acts as your academic advisor for that year.

Study abroad programme

This is a four-year course variant where Year 3 is spent studying abroad. Psychology students may be considered for this scheme at the end of their second year.

You would need to achieve the appropriate progression criteria for this route and would be transferred to the 'BSc Psychology with International Study'.

www.manchester.ac.uk/ug/courses/studyabroad

Career opportunities

Psychology graduates are very employable. A recent Higher Education Careers Services Unit (Hecsu, 2010) survey revealed that Psychology graduates enjoy amongst the lowest levels of graduate unemployment compared with other disciplines.

A Psychology degree can provide you with a good range of academic and transferable skills that are attractive to employers, including presentation skills, managing projects, group-working, data analysis skills, analytical thinking, and research skills. These skills are valued by employers across a range of employment sectors, and graduates from our degree programme currently hold positions in areas as diverse as PR, retail, marketing, media, accountancy, teaching, and social work.

Our degree is accredited by the British Psychological Society as conferring eligibility for Graduate Basis for Registration (if a Second Class Honours is achieved).

This allows our graduates to go on to further study to pursue careers as professional psychologists, and a good proportion of our graduates become clinical, forensic, educational, occupational or health psychologists, or go onto research careers.



It's a big change from A-level, but it's so much more exciting, so much more in-depth and so much more interesting. In the later stages of the course you can tailor your course by choosing course units to suit your own interests, and that's really good.

Rose Christopher
BSc Psychology





WHY MANCHESTER?

- UK's highest international reputation for research in religion and theology, which informs all our courses
- Impressive range and variety of subject areas to choose from, including many interdisciplinary options
- Fabulous library collection of books, manuscripts and archives in religion and theology

Comparative Religion and Social Anthropology BA 3yrs
UCAS Code VL66

Study of Religion and Theology BA 3yrs
UCAS Code V600

Theological Studies in Philosophy and Ethics BA 3yrs
UCAS Code V610

Typical offer

A-level: AAB-BBB (AAB for V610)
IB: 35-32

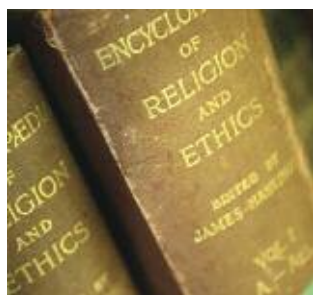
For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

We are the leading UK department for religions and theology; those few ahead of us are overwhelmingly concerned with either Christian Studies or Jewish Studies alone.

Awarded the top 5* in both 1996 and 2001 Research Assessment Exercises (RAEs), our department was also the only such department in the UK to hold a rating of 6* from 2001-2008. In the 2008 RAE, there was no directly equivalent score for individual departments; however, Manchester had the fourth largest submission in the UK, and was placed sixth nationally for overall quality.

From our huge choice of subjects, you can: take units on ancient Hebrew, Greek or Sanskrit; immerse yourself in the thought of ancient, medieval and modern theologians; debate the philosophical, ethical, and political dimensions of religious studies; study scrolls and scriptures from a variety of traditions, including Christianity, Judaism, Islam, and South Asian religions; and familiarise yourself with a wide range of religious histories and social theories.



Find out more...

www.manchester.ac.uk/religion
ug-relig-theol@manchester.ac.uk
t +44 (0)161 275 3107

What you study

Religion and Theology

This, our most flexible course, focuses on the facts and challenges of diversity and pluralism in many different religions, at the same time taking seriously the profound questions of ancient, medieval, modern and postmodern debates on theological matters in all those religions.

You can concentrate on a specific religious tradition, or you may prefer to study a variety (eg Islam, Judaism, Christian theology, Hindu and Buddhist world views). There is also a wide range of methodological approaches to consider, including textual, theological, historical, philosophical, and sociological.

We are interested in the widest interpretation of religion at a time when the world is taking religious difference very seriously.

Theological studies in Philosophy and Ethics

This course focuses on religious philosophy, especially as it impacts on theology and ethics. You will study 20th-century continental philosophy and Christian theology, with a chance to consider their relation to Indian, Jewish and Islamic philosophies. It is designed to map on very neatly to the kind of topics that many students first meet in their A-level in Religious Studies, which often emphasises philosophy and ethics, and to take these interests further.

This course is far more interdisciplinary than is offered elsewhere, and allows you to explore just how interrelated theology, philosophy and ethics are. While others offer a very popular 'ethics' supplement to theology and philosophy, unique to Manchester is the way 'ethics' is related more generally to social ethics and politics.

Among other things, you will explore arguments for God's existence, consider questions that relate to suffering and evil, contemplate what constitutes religious experience, analyse the nature and use of religious language, and investigate the complicated relationship between scientific and religious worldviews.

Comparative Religion and Social Anthropology

Although the disciplines of Comparative Religion and Social Anthropology are quite different, the existence of an interface between the two is commonly recognised. This course represents an opportunity for you to discover areas where the two disciplines fruitfully come together. Increasingly, scholars of religion use anthropological concepts and tools to formulate questions pertaining to religious phenomena, while religious ritual and magico-religious practice have long been standard topics in the research of anthropologists.

Our Granada Centre for Visual Anthropology also enables you to study ethnographic film and video.

Career opportunities

You may pursue a wide range of careers and develop skills that are valuable for many occupations, including teaching in schools and colleges; broadcasting and print journalism; publishing, legal, personnel and public sector professions; Civil Service; work within religious organisations, NGOs, and many others.

Knowledge and understanding of different cultural and religious beliefs are recognised by many employers as a valuable asset.



The course offers a fantastic range of modules, which has really broadened my knowledge of religion. The department is extremely friendly and you never feel like you are on your own.

Dominique Shaw
BA Religions
and Theology





WHY MANCHESTER?

- Distinguished history of teaching Russian language and culture since 1919
- Highest-rated UK department for research in Russian and East European Studies (RAE 2008)
- High standards of teaching from established experts in the field, enthusiastic young specialists and dedicated language instructors with extensive teaching experience
- Excellent holdings at our University Library, with broad collections in Russian and East European Studies
- Impressive resources for both teaching and independent study in the University Language Centre
- Wide range of extracurricular activities, including Russian film screenings, informal gatherings at 'Russian Table', seminars, concerts and more



English Language and Russian BA 4yrs

UCAS Code QR37

English Literature and a Modern Language (Russian) BA 4yrs

UCAS Code RQ73

History and Russian BA 4yrs

UCAS Code RV71

History of Art and a Modern Language (Russian) BA 4yrs

UCAS Code RV73

Linguistics and Russian BA 4yrs

UCAS Code QR17

See p135

Modern Language and Business and Management (Russian) BA 4yrs

UCAS Code NR17

Russian and Screen Studies BA 4yrs

UCAS Code RW76

Russian Studies BA 4yrs

UCAS Code R700

Russian may also be studied within European Studies, see p100. It is possible to study Russian from beginner or post A-level, with Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Portuguese or Spanish.

Typical offer

A-level: AAB-BBC

IB: 36-29

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

A small discipline area within a much larger institution, Russian and East European Studies offers you the best of both worlds: small class size, individual attention from course tutors, and a supportive, close-knit student community, combined with the intellectual, cultural and social diversity of a large university based in a large, cosmopolitan city.

Alongside core Russian language course units, we offer a wide range of specialised units in topics such as cinema, history, literature and culture, politics and society, business Russian, Polish language, and the history and culture of Eastern and South-Eastern Europe.

Find out more...

www.manchester.ac.uk/lle

ug.languages@manchester.ac.uk

t +44 (0)161 275 3211

What you study

In all courses below, you have around 15 hours per week of scheduled learning activities, such as lectures, seminars, language work, coursework 'surgeries' and revision sessions.

You also spend Year 3 in Russia or, exceptionally, another Russian-speaking country.

In the Joint Honours courses, you study both subjects equally in Year 1; in later years you can maintain this balance, or devote more weight to one subject.

Russian Studies

Gives a comprehensive grounding in Russian language, culture and society. Core language course units include grammar, translation, comprehension and oral work with native speakers. Other units cover a wide range of subjects, including Russian cinema, society, literature, history, politics and thought.

In each year of study, you have the option of taking one or two course units in a subject outside Russian and East European Studies (free choice options).

English Language and Russian

In English language, course units in the structure, history and varieties of English are complemented by units in general linguistics and sociolinguistics. Core language units in Russian are complemented by units in Russian cinema, society, literature, history, politics and thought. See *p132*.

English Literature and a Modern Language (Russian)

Core Russian language course units are complemented by a wide range of other subjects, including areas of English language, cultural theory and literature, and of Russian cinema, society, literature, history, politics and thought. See *p96*.

History and Russian

Core Russian language course units are complemented by other units on very diverse subjects, including aspects of cultural, political, social, economic, and military history, from ancient times to the 20th century; and Russian cinema, society, literature, history, politics and thought. See *p106*.

History of Art and a Modern Language (Russian)

Core Russian language course units are complemented by numerous other units covering aspects of European and North American art, and art-related thought, from Ancient Greece to the present; and Russian cinema, society, literature, history, politics and thought. See *p57 and 149*.

Modern Language and Business and Management (Russian)

Core language course units in Russian are complemented by units covering aspects of Russian cinema, society, literature, history, politics and thought. You also study aspects of management, economics, finance, accounting, and international issues in business. See *p58 and 149*.

Russian and Screen Studies

Combines the study of Russian language, culture, history and society with the study of screen studies. In screen studies, you take core course units in understanding film, its history and pre-history, and its development across other media (eg television, DVD, internet distribution).



The Russian department is small, but very welcoming. The excellent quality of the teaching is acknowledged throughout the country, and I really appreciate that the lecturers know us personally and easily adapt their teaching style to our needs.

Marion LeVisage
BA Middle Eastern
and Modern European
Languages
(Arabic and Russian)





WHY MANCHESTER?

- One of the best-known traditions of anthropology around the world, in the 'Manchester School'
- Access to cutting-edge research and thinking that is recognised at an international level
- Opportunities to explore visual, media, political, economic and technological anthropology

Archaeology and Anthropology BA 3yrs
UCAS Code VL46

Politics and Social Anthropology BA (SocSci)
UCAS Code LL26

Social Anthropology BA (SocSci) 3/4yrs
UCAS Code L600

Social Anthropology and Criminology BA (Econ) 3yrs
UCAS Code LM69

Social Anthropology and Philosophy BA (SocSci)
UCAS Code LV65

Social Anthropology and Sociology BA (Hons) Social Sciences
UCAS Code LL63

See also Economic and Social Studies p90, Linguistics and Social Anthropology p132, Comparative Religion and Social Anthropology p170.

Typical offer

A-level: ABB
IB: 34

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses



Find out more...

www.manchester.ac.uk/socialsciences
uganthropology@manchester.ac.uk
t +44 (0)161 275 4470/2291/1473/4748

Social anthropology is the study of the diversity of social and cultural relations around the world. Manchester Social Anthropology was founded in 1949 from a small group of anthropologists who developed the world-famous 'Manchester School,' a tradition that specialised in looking at conflict, law, politics, performance and rituals, cities, and networks.

Today, we continue that tradition and have developed further international recognition for our visual and media anthropology; political and economic anthropology, especially in Latin America, the Balkans and the Pacific; the anthropology of new technologies, including the internet; new reproductive and genetic technologies; GIS; and engineering. We also have specialisms in the study of borders, place and space.

Studying social anthropology enables you to: understand how social and cultural diversity works; gain techniques for thinking laterally about almost anything, since knowing how others see the world gives you different angles from which to understand; and to develop your debating and negotiating skills, as you learn how to handle diverse perspectives and ways of knowing. In short, studying social anthropology can change the way you think.

What you study

Social Anthropology BSocSc

Our specialist Single Honours degree takes you progressively through the process of learning how to study social and cultural diversity. This is achieved through studies of particular peoples and areas of the world, as well as through providing you with means to analyse and think through social and cultural material.

Students who choose to study social anthropology are interested in the diverse ways in which human beings live in the world today. They are interested, amongst other things, in cultural difference and similarity, in the social and economic relationships between different parts of the world and in the varied ways in which people make families, communities and societies.

What better way, then, to expand the understanding of cultural diversity that you gain in studying social anthropology by also spending a year overseas? We therefore also offer another pathway for this course: **'with International Study'**. On this pathway, you have the opportunity to study social anthropology in one of our partner universities overseas in Year 3, returning to Manchester in Year 4 to complete your studies. By the end of your degree course, you will have gained practical cross-cultural experience of another student culture, as well as acquiring knowledge, through experience and participation, of the society in which it is embedded.

Course units reflect Manchester Social Anthropology's distinctive character, drawing upon both our history and our current academic staff's new research.

By the end of the degree, you will have a thorough knowledge of the subject and will also be fully prepared to move on to postgraduate level studies, or even research in social anthropology.

Year 1: Provides a solid grounding in social anthropology, with course units designed to give you access to the history of the subject, different theoretical approaches, and studies of different topics and regions around the world.

You study Culture and Society, Engaging Social Research, Culture and Power, Regional Studies and Cultural Diversity in Global Perspective.

Year 2: Focuses on the core themes in social anthropology, and introduces you in more detail to some distinctive aspects of social anthropology at Manchester. You study sex, gender and kinship; anthropology of religion; political and economic anthropology; ethnographer's craft; materiality, sensoriality and visuality; and current anthropology at Manchester, in which five members of staff take you through their own anthropological research in detail, to allow you to understand the whole process of how anthropologists do their work and write their books and articles.

Year 3: Allows you to select course units to suit your interests more closely – and, if you wish, to write a dissertation of your own. In addition to the core theory course unit, arguing with anthropology, a wide range of specialist units are on offer each year, which always includes at least two that specialise in particular regions of the world at an advanced level, and which also includes the ability to study visual and sensory media anthropology at an advanced level.

These units change according to the staff teaching them, ensuring only specialists in each topic will teach you. Recent course units include medical anthropology, the anthropology of museums, the anthropology of globalisation and development, the anthropology of education, the anthropology of sub-saharan Africa, of the Pacific, and of Amazonia.

Combined degrees

Social anthropology can be studied as part of the wide-ranging social science degree, the **BA (Social Sciences)**, which enables you to take a broad variety of subjects, or to specialise in a particular area, including social anthropology. See *p90*.

Anthropology can also be studied as part of the joint degree **BA (Hons) Archaeology and Anthropology**. This course aims to provide you with a comprehensive knowledge of the diversity of cultural, social and material aspects of human existence in prehistoric, historical and contemporary contexts. It has both regional and global scope, focusing on particular peoples and areas, while considering much wider issues, including past and current processes of globalisation. See *p54*.

Career opportunities

The knowledge and insight gained in the study of social anthropology provides skills in understanding people and meeting the demands of new, unexpected situations. Employers recognise the value of a degree offering a multi-faceted understanding of society and cultural diversity.

Our recent graduates are now working for relief organisations and development agencies, museums, cultural heritage organisations and conservation projects. Others have gone into filmmaking, radio, television broadcasting, journalism, the Civil Service, local government, HR, market research, industrial relations, advertising, law, accountancy and teaching.

WHY MANCHESTER?

- Dynamic, multidisciplinary School of Social Sciences
- Unique offering of course units
- Access to cutting-edge research recognised at an international level



Philosophy and Criminology BA (SocSci)

UCAS Code VL53

Philosophy and Politics BA (SocSci) 3yrs

UCAS code VL52

Politics and Criminology BA (SocSci) 3yrs

UCAS code LM29

Politics and Social Anthropology BA (SocSci)

UCAS Code LL26

Politics and Sociology BA (SocSci) 3yrs

UCAS Code LL23

Social Anthropology and Philosophy BA (SocSci)

UCAS Code LV65

Social Anthropology and Sociology BA (SocSci) 3yrs

UCAS code LL63

Sociology and Criminology BA (SocSci)

UCAS Code LM39

Sociology and Philosophy BA (SocSci)

UCAS Code LV35

Typical offer

A-level: ABB

IB: 34

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

The BA Social Sciences at Manchester is designed to give you maximum flexibility and choice.

Not all students know which areas they want to focus on at the start of their degree; we've therefore structured the course so that you do not have to decide when you apply which subject or subjects you will study in most depth, and can take the crucial decisions as you progress through the three years of the course.

On entry, you must select one of the ten joint pathways listed above and use the associated course code; however, this does not restrict your eventual choice of area.

For example, on any of the joint pathways you will have the option of specialising in a single subject in your second year, subsequently graduating with an exit award in that one subject, if you so wish.

In every subject you have a wide range of course units to choose from, and a high degree of flexibility in the way in which you combine them as your academic interests develop.

Find out more...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk

t +44 (0)161 275 4470/2291/1473/4748

Specialist areas

You can specialise in Criminology, Politics, Philosophy, Social Anthropology, or Sociology, and you are also eligible to take selected courses in Economics.

More information about these subject areas can be found in the relevant pages of this prospectus.

What you study

Year 1: All students follow a broad programme of study that includes three areas from the following: philosophy, politics, sociology, criminology and social anthropology. You also take a course unit in social research methods.

The aim is to provide a broad introduction to the social sciences, and to some of the basic transferable skills you will need as a student (and in later life). It will also enable you to make an informed choice of the subject areas you will study in the second and third year.

Year 2: You may take most of your course units in a single area, or you may choose to work within two, or three, areas

Final year: You specialise in one area, or combine two areas of study.

In total, more than 260 course units are available, giving you remarkable choice and the opportunity to put together a programme of study that suits your particular interests.

Career opportunities

You will have a wide variety of career opportunities in both the private and the public sectors, thanks to the number of pathways through the degree.



The School of Social Sciences is incredibly supportive of all its students and is a great school to study in. It has a huge range of course units – there's something to interest everyone!

Sian Wilkinson
BA Philosophy
and Politics





WHY MANCHESTER?

- One of the UK's leading departments with a strong international reputation, particularly in relation to issues of social stratification, intimate relations, social networks and social movements
- Staff expertise in a range of approaches to social analysis, quantitative and qualitative research methods, and historical and comparative approaches
- Courses informed by cutting-edge research, theories and studies

Business Studies and Sociology

BA (Econ) 3yrs
UCAS Code NL13

Development Studies and Sociology BA (Econ) 3yrs

UCAS Code LL93

Economics and Sociology BA (Econ) 3yrs

UCAS Code LL13

Politics and Sociology BA (SocSci) 3yrs

UCAS Code LL23

Social Anthropology and Sociology BA (SocSci) 3yrs

UCAS Code LL63

Sociology (SocSci) 3yrs

UCAS Code L300

Sociology and Criminology BA (SocSci) 3yrs

UCAS Code LL39

Sociology and Philosophy BA (SocSci) 3 yrs

UCAS Code LV35

See also Economic and Social Studies p90, History and Sociology p107, Linguistics and Sociology p132.

Typical offer

A-level: ABB-BBB
IB: 34-33

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

Sociology looks at how society works. It is the study of social life, social change and the social causes and consequences of human behaviour. If you have ever questioned why social life works the way it does, or wondered whether things could be organised differently, then sociology is the subject for you.

With social changes affecting us all (globally, nationally, locally and personally), there could not be a more exciting or relevant time to study sociology – and there is no better or more vibrant place to study sociology than Manchester.

Our courses introduce the principles and frameworks of sociology and enable you to develop skills in social analysis.

What you study

We offer core course units about thinking and researching sociologically, and practical course units on research methods. We also offer a wide range of optional course units on key issues including: social divisions and connections (class, gender, ethnicity); intimate relations and personal life (families, sexualities, bodies, self and identity); social networks; media, culture and technology; consumption; social movements and social protest; work and organisations; environment and human-animal relations; and globalisation and social change.



Find out more...

www.manchester.ac.uk/socialsciences
baecon@manchester.ac.uk
t +44 (0)161 275 4470/2291/1473/4748

You will learn to examine social life in different and interlinked ways, from the finer details of intimate and face-to-face interaction, to long-term historical changes affecting relations between groups, organisations and national societies.

The sociology that we teach gives you the skills to analyse contemporary social life, and to comprehend social processes, problems and developments. It provides a range of skills demanded in today's job market.

You can choose between two degree pathways, as follows:

BSocSc Sociology

In this pathway, you specialise immediately in sociology (although you take optional course units from other disciplines in Year 1 and enjoy some opportunity to do so throughout your degree).

Year 1: Focuses on core sociological frameworks and offers a basic introduction to social research. You may also take optional course units on media sociology, globalisation, personal life, work and organisations. We offer something new to those who have completed sociology A-level, while also providing a basic foundation in the subject for those who have not.

Year 2: Provides further training in research methods in preparation for a dissertation and for undertaking independent social research. You may also choose from a range of optional course units.

Year 3: Based mainly on the cutting edge of research in the different specialist areas of the discipline. It deals with both theoretical innovations and new empirical studies in such fields as ethnic relations, religion, intimate relations, the body, counter-culture and technology. You write a dissertation based upon your own original research project.

BA Social Sciences

In this pathway, you most fully specialise in sociology in Year 3. In Years 1 and 2, you may take a range of course units in different social science disciplines, including sociology and including some units that are necessary pre-requisites for later specialisation. Most Dual Honours degrees follow this pathway, see *p90*.

Career opportunities

Sociology does not restrict you to a particular occupation. It is an ideal degree to distinguish yourself as a skilled analyst and independent thinker in today's competitive labour market.

Nowadays, employers in many sectors are looking to take on graduates who are equipped for 'people work' and who understand how individuals, groups, organisation and institutions operate, giving sociology an edge in the job market. The transferable skills you will gain in social research are a genuine asset in an economy increasingly focused upon 'information'.

There is a wide range of occupations you could enter, allowing you to keep your options open. Our graduates have taken up diverse occupations in teaching, the police service, social work, law, research, policy development and implementation, media and journalism, retail and trainee management.



I have had so many amazing experiences [in Manchester]. The lectures are amazing and opportunities with it are even better. The lecturing staff are all so friendly, helpful and welcoming. I really can't fault it.

Penny Harvey
BSocSc Sociology





WHY MANCHESTER?

- Prestigious centre for research and teaching on the Lusophone and Spanish-speaking worlds
- Impressive range of subjects, including aspects of the culture, literature, cinema, history and linguistics of Spain, Latin America, the Hispanic Caribbean and the Latino and Chicano population of the USA
- Relevant library holdings unequalled in Europe outside the national collections
- Internationally recognised interdisciplinary Centre for Latin American Cultural Studies, which hosts events for the academic and wider community
- Manchester-based branch of the Instituto Cervantes, which hosts weekly cultural events and is one of only three in the UK
- Research in Spanish and Portuguese rated the best in the UK in the 2008 RAE



Find out more...

www.manchester.ac.uk/lc
ug.languages@manchester.ac.uk
t +44 (0)161 275 3211

English Language and Portuguese BA 4yrs
UCAS Code RQ53

English Language and Spanish BA 4yrs
UCAS Code QR34

English Literature and a Modern Language (Portuguese) BA 4yrs
UCAS Code QR35

English Literature and a Modern Language (Spanish) BA 4yrs
UCAS Code RQ43

History and Portuguese BA 4yrs
UCAS Code RV51

History and Spanish BA 4yrs
UCAS Code VR14

History of Art and a Modern Language (Portuguese) BA 4yrs
UCAS Code RV53

History of Art and a Modern Language (Spanish) BA 4yrs
UCAS Code RV43

Latin American Studies and Screen Studies BA 4yrs
UCAS Code TW76

Linguistics and Portuguese BA 4yrs
UCAS Code QR15

Linguistics and Spanish BA 4yrs
UCAS Code QR14
See page 135

Modern Language and Business and Management (Portuguese) BA 4yrs
UCAS Code NR15

Modern Language and Business and Management (Spanish) BA 4yrs
UCAS Code NR14

Portuguese and Screen Studies BA 4yrs
UCAS Code RW56

Spanish, Portuguese and Latin American Studies BA 4yrs
UCAS Code RR45

Spanish and Screen Studies BA 4yrs
UCAS Code RW46

Spanish may also be studied with European Studies, Life Sciences, Latin and Mathematics. Both Spanish and Portuguese can be studied with another modern language (including Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Persian, Russian and Turkish) – see p149.

Typical offer

A-level: AAA-ABC
IB: 37-31

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

Our large team of distinguished scholars and language tutors, from six different countries, offer expertise in Spanish, Catalan, Portuguese and Latin American studies. Course units available include: Brazilian/Portuguese studies; cultural and gender studies; film studies; history, literature and culture both in Spain and Latin America; linguistics; Catalan studies; and textual criticism.

Our Language Centre offers state-of-the-art study facilities, while the student-run Spanish Society organises events where you can meet informally with native speakers of Spanish. We also offer a peer mentor scheme for all incoming Spanish students. Latin American, Spanish and Portuguese music, drama and film events are regularly held in city centre venues.

What you study

Spanish, Portuguese and Latin American Studies

Immerse yourself in Spanish language and Hispanic culture, with an introduction to Portuguese studies in Year 1, and a broad introduction to topics in culture and literature from the Lusophone and Spanish-speaking worlds. You may continue Portuguese language and/or pickup Catalan in Year 2.

You have optional course units in areas such as history, literature, cinema, culture and linguistics. Free choice options are available in your first two years. Year 3 is spent either wholly in a Spanish-speaking country, or divided between that and a Lusophone country.

English Literature and a Modern Language (Portuguese)

English Literature and a Modern Language (Spanish)

You may choose course units in English literature from the Anglo-Saxon period to the present day, supplemented by cultural theory. You complement this with the study of Spanish or Portuguese language and culture, society, literature, linguistics, history, art and cinema. You may weigh your course toward one of the subjects from Year 2 onwards. Year 3 is spent in a Spanish or Portuguese-speaking country.

English Language and Portuguese

English Language and Spanish

You study the structure, history and varieties of English, with options available in linguistics as well as English language. You also study Spanish or Portuguese language, plus Spanish or Portuguese culture,

society, literature, linguistics, history, art and cinema. You may choose to devote up to two-thirds of your time to either subject in Years 2 and 4. You spend Year 3 in a Spanish or Portuguese-speaking country.

History and Portuguese

History and Spanish

You gain a comprehensive grounding in History and Portuguese or Spanish language and culture, with a wide range of options in history from ancient times to the 20th century, and Spanish or Portuguese culture, society, literature, linguistics and cinema. In Year 1, you study both subjects equally; in later years, you may focus more on either subject. In Year 3, you work or study in a country where Spanish or Portuguese is spoken.

History of Art and a Modern Language (Portuguese)

History of Art and a Modern Language (Spanish)

You study history of art, from Ancient Greece to the present, from around the world, plus the Spanish or Portuguese language. You also have a wide range of options in Spanish and Portuguese culture, society, literature, linguistics, history, art, thought and cinema. You spend Year 3 in a Spanish or Portuguese-speaking country.

Modern Language and Business and Management (Portuguese)

Modern Language and Business and Management (Spanish)

Prepares you for business in a globalised world with study of one of the world's most spoken

languages and their associated cultures, alongside study of business in a European and global context. You study aspects of management, economics, finance, accounting and international issues in business, alongside Portuguese or Spanish language. Additional course units cover aspects of the culture, society, literature, linguistics, history, art and cinema of your chosen language.

You may be able to devote more time to either area of study from Year 2 onwards. You spend Year 3 in a country where your language is spoken, with the opportunity to take an overseas work placement during this time.

Spanish and Screen Studies

Latin American Studies and Screen Studies

Portuguese and Screen Studies

You study Spanish and Portuguese language, culture, society, literature, linguistics and history, alongside screen studies. In screen studies, you study core course units in understanding film, its history and pre-history, and its development across other media (eg television, DVD, internet distribution).

In Year 1, you study both subjects equally; in later years, you may retain this balance, or spend up to two-thirds of your time on one or other of the subjects. You spend Year 3 in a Spanish or Portuguese speaking country.



WHY MANCHESTER?

- International reputation for teaching and research that attracts funding and sponsorship from industry and the retail sector
- Superb facilities, including well-equipped textile processing, materials testing and chemistry laboratories with a wide variety of apparatus and industrial machinery
- Dedicated creative design studios and computer clusters with access to digital media design and multimedia learning packages
- The world's largest collection of textile books in our University library
- Excellent graduate employment record

Design Management for Fashion Retailing BSc 3yrs

UCAS Code W290

Fashion and Textile Retailing BSc 3yrs

UCAS Code JN45

Management and Marketing of Fashion Textiles BSc 3yrs

UCAS Code JN42

Textile Design and Design Management BSc 3yrs

UCAS Code J4W2

Textile Science and Technology BSc 3yrs

UCAS Code JJ49

All the above courses have four-year variants, where Year 3 is spent away from the University, either on the 'Study Abroad' or 'with Industrial Experience' pathway. See course descriptions for details.

Typical offer

A-level: AAB-ABB

IB: 35-33

For entry requirements to specific courses, you need to visit:

www.manchester.ac.uk/ugcourses

The dynamic nature of today's global fashion and textiles industries requires graduates with a wide range of skills who are highly creative and flexible. We offer science, technology, management, design, fashion and retail subjects in a range of courses that reflect the diverse and unique nature of fashion and textiles.

What you study

Textile Science and Technology

The continuing evolution of the industry provides exciting opportunities, embracing the high performance technical textiles sector, as well as the apparel and domestic textiles market. Recent innovations include microclimate control clothes, mobile communication platforms and medical textiles.

The multidisciplinary nature of textiles requires high-calibre technical managers and researchers with expertise in engineering, chemistry, physics and electronics. With our technical expertise and broad equipment base, our textile technology degree courses aim to develop graduates with the skills to create and implement the next generation of textiles innovations.

Year 1 provides you with a fundamental understanding of fibre, yarn and fabric manufacture, textile science and an introduction to textile management through an integrated series of lectures, seminars and laboratory projects.

Subsequent years emphasise the science and technology of textile materials and processes, and business and management in textiles. Your final-year research project allows the detailed study of a related topic. Recent projects have included areas such as biomedical textiles, ink-jet printing and ethical production management.



Find out more...

www.manchester.ac.uk/materials

ug-textiles@manchester.ac.uk

t +44 (0)161 306 4149

Textile Design and Design Management

For those who want to develop innovative and exciting fabric ranges from a strong technical and commercial knowledge base.

Designers and design managers have crucial roles to play in providing the market place with the right designs at the right time and price. Awareness of technical, commercial, marketing and fashion aspects of the industry is essential.

This course has a strong emphasis on developing the multidisciplinary skills that are necessary in today's competitive marketplace. You learn to develop your creative ideas successfully into designs for knitted, woven and printed fabrics, and to take these through into actual fabrics using our unparalleled range of equipment – from hand-sampling looms and knitting machines, to state-of-the-art, computer-controlled power machinery.

You may develop your creativity and management skills alongside an understanding of textile materials and processes. You are taught through an integrated series of practical studio-based design projects, laboratory classes, lectures, tutorials and seminars.

In your final year, options allow you to tailor the course to your specific interests, whether in textile technology, or management and enterprise.

Management and Marketing of Fashion Textiles

For those with a keen interest in business and management, allowing the study of management in the context of a global industry.

The global fashion textiles industry is dynamic and diverse, and this degree offers you a chance to study the relevant subjects to

equip you for a career in this exciting industry.

The broad range of subjects we offer on this course makes it ideal for a variety of careers in fashion textiles and beyond. The fashion and textiles industry incorporates a diverse range of products and processes, from fashion apparel and household textiles, as well as highly technical textile products such as performance sportswear, through to industrial products like bulletproof vests and specialist fibres, yarns and fabrics.

This is a business degree course with three specialist subject areas: marketing, management and textile technology/science, all applied in the context of fashion textiles. You will study your two specialist subjects of management and marketing in your first, second and final year. You start with an introductory/foundation year in fashion textiles marketing and management theory, building on this in your second year with a focus on practically applying the subjects to the fashion textiles industry, and ultimately building on this solid foundation in your final year with further specialist management and marketing units.

As with all courses in Textiles, the degree is underpinned by core units in textile science and technology.

Fashion and Textile Retailing

For those seeking a fashion retail career, with a focus on clothing technology and business management.

This degree involves retail/design, management and technology, and offers two specific themes based on business management and clothing. The business option incorporates marketing and business course units, including

logistics and business communication. The clothing option equips you with product knowledge to work and effectively communicate with international fabric and garment manufacturers in the fashion supply chain.

Course units provide you with the full range of academic, creative and management skills required: from consumer behaviour to textile testing, and from product performance to fashion management. You become fully conversant with this exciting industry through studying developments in retailing, the mechanics of fashion and product planning, as well as learning about the processes and materials involved in textile production. This enables you to fully understand the products you retail, and be equally comfortable talking to technical managers about performance requirements as you are analysing consumer behaviour.

Design Management for Fashion Retailing

For those seeking a fashion retail career, with a focus on design technology – digital media design and design communication.

This multidisciplinary degree allows creative individuals to develop expertise in computer-aided design and multimedia design, alongside a sound knowledge of retailing, consumer behaviour, fashion management and design communication. Underpinning the course is the development of a technical language in textile and fashion product development, allowing you to gain subject knowledge in manufacturing processes critical in the understanding of the fashion supply chain.

This course produces highly creative managers with multimedia skills, who have the technical and design competencies and the management and marketing knowledge demanded by today's fast-moving fashion retail industry.

As retail design managers find themselves facing more diverse roles, this course aims to meet these changing needs in what is currently one of the most rapidly evolving and major growth areas of business. Over the three or four years of study, you will gain a detailed and broad understanding of the fashion retailing sector with design management techniques.

Courses with Industrial Experience/Study Abroad

All our courses are available with Industrial Experience or Study Abroad. These four-year courses allow a third year on an English-speaking placement, either in industry, or at an educational institution abroad. Years 1 and 2 are the same as the equivalent three-year course.

If you wish to take either of these pathways, you need to achieve the appropriate progression criteria.

Industrial placements

Organised during Year 2, in liaison with the University's Careers Service and academic staff. Year 3 is spent in employment within one or more placement companies, where the work content comprises experience relevant to the course.

You undertake a case study of your placement company in order to better appreciate the commercial environment and may coordinate a specific project. You return to the University for your final year.

Study Abroad placements

Year 3 is spent abroad studying in an English-speaking university overseas. This year will be composed of course units chosen from textiles, technology, design and management subjects and a supervised research project. You return to Manchester for Year 4 to study alongside those on the final year of the standard three-year courses.

Career opportunities

Studying a textiles course at Manchester gives you a wide range of career opportunities. Many of our graduates have gone on to take up leading positions in industry, commerce and education throughout the world.

Our graduate placement record has been outstanding over many years, and continues to be so, with several companies actively recruiting our graduates.

Our courses prepare you for a variety of careers. Graduates go into both the manufacturing and retail sectors of the textile and clothing industry as garment and fabric technologists, quality control specialists, technical managers, designers, design managers, selectors, buyers, marketing managers, sales and production managers. Many enter careers in research and development, and a number follow careers unrelated to textiles, such as teaching, accountancy, advertising, finance and banking.

Recent employers include: Arcadia, Debenhams, GAP, House of Fraser, IBM, John Lewis, Marks and Spencer, Matalan, Mercedes, Next, Nike, Paul Smith, Shell and Speedo.



I haven't seen any similar courses specialising in the fields we have, which makes me confident that the course will help set me apart from other graduates. I never felt short of options when considering my choices. As a student city, Manchester is great: convenient, friendly and adaptable, no matter where you come from.

May Badran
BSc Design Management
for Fashion Retailing



WHY MANCHESTER?

- Degree validated by the National Youth Agency and recognised by the Joint Negotiating Committee for Youth and Community Workers as a professional qualification
- Course designed for reflection on on-going practice
- Extensive practice experience prepares you for work in a wide range of settings and roles
- Professionally validated units at each level focus on community development learning
- A high level of personalised learning and small group teaching create a supportive and participative learning environment



Find out more...

www.manchester.ac.uk/education
ug-education@manchester.ac.uk
t +44 (0)161 275 3463/3287

Applied Community and Youth Work Studies BA

UCAS Code L590

Typical offer

A-level: ABB-BBB

Mature students with relevant experience also welcome to apply.

For entry requirements to specific courses, you need to visit:
www.manchester.ac.uk/ugcourses

The BA in Applied Community and Youth Work Studies is designed for individuals who are interested in studying the varied approaches to informal education with young people and adults, developing the skills, knowledge and values of a youth and community work practitioner, and making a difference in communities.

Successful graduates achieve the professional qualification in youth and community work validated by the National Youth Agency and recognised by the Joint Negotiating Committee (JNC).

The course also includes specific units at each level that are professionally endorsed by the Endorsement and Quality Standards Board for Community Development Learning.

Please note: All successful applicants will be required to undertake a CRB check, satisfactory completion of which is normally a condition of offer. However, having a criminal record will not necessarily bar you from being accepted onto the course. Consideration of the circumstances and nature of the offences will determine your suitability.

What you study

Course units

Year 1: The Role of a Community and Youth Worker in the Development of Young People; Values and Practice in Community and Youth Work; Enabling Community Participation; Developing Academic and Digital Study Skills; Building Relationships in Communities, a work-based learning unit; Approaches to Research.

Options include: A Black Perspective in Community and Youth Work; Health Issues and Community Work.

Year 2: Analysing Community and Youth Work with Groups; Management and Organisational Issues in Community and Youth Work; Community-Based Research; Reflection on Current Youth Work Practice, a work-based learning unit.

Options include: The Application of Counselling Principles; Domestic Violence Issues; Community and Youth Work Practice; Community Engagement, Intercultural Dialogue and Global Citizenship.

Year 3: Ethical and Global Research in Informal Education; Managing a Community Project, a work-based learning unit; Dissertation in Applied Community and Youth Work Studies.

Options include: Professional Development Supervision in Community and Youth Work.

As well as the above, optional units can be taken from other degree courses within the Faculty of Humanities.

Work-based placements

Fieldwork placements and projects are an integral part of the course, offering real-world experiences and opportunities to help you develop a rounded understanding and appreciation of the role of a youth and community worker. Reflection on previous and on-going experiences and discussions with others will develop your critical and appreciative understanding of issues and practice.

Each academic year contains substantial work placements and projects. In total, the course requires at least 888 hours of supervised practice, including a minimum of 444 hours working with young people aged 13 to 19. The supervised practice elements of the programme enable you to meet the validation requirements of the National Youth Agency for professional (JNC) status

Thanks to strong relationships with regional practitioners and organisations from statutory and voluntary youth and community work sectors, we have more than 100 possible opportunities on our register for work-based learning.

Placements are normally organised by the placement co-ordinator, who will provide close guidance on suitable opportunities. Placements are usually available within easy travelling distance of the University. Please note that students are usually responsible for their own travel expenses.

Flexible study for experienced workers

Some flexible study options are available for experienced on-going community and youth practitioners who may be able to complete some of the course requirements through their current work setting, e-learning and accreditation of prior learning.

Career opportunities

The course awards a professional qualification as well as an Honours degree. You could find relevant job opportunities in a wide range of statutory and voluntary agencies and services.

Our graduates secure work in a range of fields, such as centre-based youth and community work, detached youth work, neighbourhood community work, health education, youth offending teams, voluntary sector youth and community work, and education projects.

Other graduates progress on to postgraduate study. Typical employers include relevant local authority services, charitable organisations and social enterprises.



The staff team here at Uni are exceptionally supportive. Their desire for you to succeed make you feel like you can't fail. The course is up to date and always reflects current issues; the tutors and lecturers stimulate our learning by keeping it relevant.

Helena Pinnock
BA Applied Community
and Youth Work



“

My course placements take me into different communities – you're not just seeing student life, you're seeing Manchester. I love it. One of my lecturers told us, 'There's only one race: the human race.' That's something I'm taking with me. When I was younger I was seeking acceptance, I'd go along with things and not give my opinion. Now I'm a lot more confident in myself – in who I am, my views of the world.”

”

Wanting a university education, but uncertain which subject to study, Nick took a gap year after A-levels and became a part-time youth worker while considering his options. He loved youth work and, on discovering that it was possible to take a degree in the subject, applied to Manchester, keen to move to a big city after growing up in a small village.

“There was something about Manchester – I felt drawn to it. Because it's such a big university, there's so much scope for learning, so much to get involved with. You're constantly reflecting and getting skills in a lot of different areas; it enables me to cross boundaries and opens up a much wider career path. I've studied social anthropology, sociology, counselling taught by a professional counsellor – there's no way I'd have been able to do all that if I'd just been working for three years. Manchester has definitely lived up to my expectations.”

Learn about how Nick went hitchhiking to Africa, his award for community contributions, and his mission to eat in every restaurant on the Curry Mile:

www.manchester.ac.uk/ug/profiles


MANCHESTER
MADE ME...

MORE OPEN-MINDED, TOLERANT OF DIFFERENCE

Nick Rogers, 21, from Staffordshire
BA (Hons) Applied Community and Youth Work Studies



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Now you've got to grips with all the fantastic opportunities that The University of Manchester has to offer, this section contains everything that you need to know in order to apply to study here, including all the essential details on:

- Applications and admissions
- Entry requirements
- University regulations for applicants
- Disability support
- English language support
- Equality and diversity policy (including widening participation)

Please note...

This prospectus is prepared well in advance of the academic year to which it relates. At the time of going to press, the degree courses described herein are those that the University is planning to offer. The University will use all reasonable endeavours to deliver courses in accordance with the descriptions set out in this prospectus.

However, the University reserves the right to make variations to the contents or methods of delivery of courses, to discontinue courses and to merge and combine courses, if such action is reasonably considered to be necessary by the University.

In other words, do please check online, or with the Schools concerned, for the most up-to-date information on any course listed in this prospectus that you'd love to study, in case we've recently had to change any details.

APPLICATIONS AND ADMISSIONS

Find more details online:

www.manchester.ac.uk/ug/howtoapply

At the University, we are committed to providing a fair admissions system that admits students of outstanding achievement and potential, irrespective of their background. In so doing, we are committed to the five key principles of the Schwartz Report on 'fair admissions to higher education': transparency; minimising barriers to entry; selecting for merit; potential and diversity; professionalism; and using assessment methods that are reliable and valid.

We are dedicated to providing a high level of applicant care and aim to ensure that decisions are made without undue delay.

How to apply

Applications must be made via UCAS – for full details, see: www.ucas.com

Applications made before the closing date will be considered equally against the stated selection criteria and in the context of the number of available places. We consider late applications only for courses where places are still available.

Places on many courses may not be available after the deadline. You are therefore advised to apply as soon as you have made a careful, considered choice of institutions and degree courses – based on detailed course descriptions, rather than on course titles alone.

Start of admissions cycle

You may submit your application to UCAS from 1 September. Our admissions cycle at The University of Manchester starts on the first Monday of October, and you will receive an automated acknowledgement of the receipt of your application from the University once this cycle opens.

Assessing your application

When we receive your application, we will send you an acknowledgement that your application will be considered against the course selection criteria.

Information on entry requirements and selection procedures for each of our courses can be found online – see www.manchester.ac.uk/ug/courses – and in the entry profiles on the UCAS website: www.ucas.com

We receive many excellent applications each year. Many of our courses receive several applications for each available place, so regrettably we cannot offer places to all applicants who have the minimum entry qualifications that we require.

All applicants for a course are assessed against the same entry criteria. Where places are limited, they are offered to those eligible applicants who best meet our selection criteria, and who our admissions staff judge to have most potential to benefit from their chosen course and to contribute both to the academic school and the University.

Methods of assessing applications vary between courses, but may include: prior and predicted academic achievement; references; personal or supporting statements; interview and aptitude tests. We also consider any exceptional individual circumstances or personal barriers to learning that you may have faced, which can also be flagged up by using 'contextual data', or where such information is made available through a referee, school, or college. Find out more about the use of contextual data online: www.manchester.ac.uk/contextualdata

Our applicants come from diverse educational, professional and personal backgrounds. As such, we recognise that occasionally a course's standard procedure for assessing applications will not provide our admissions staff with an accurate understanding of an applicant's suitability. In such cases, we may ask you to provide us with alternative evidence to support your application. The admissions staff from the School will ask you directly for this information, if required.

If you have already satisfied the academic entry requirements for your chosen course, you may be made an unconditional offer. If you have not yet taken some of your examinations, it is likely that your offer will be conditional upon your achievement of a specified level of performance in your examinations.

We will advise you if you need to satisfy any other requirements, such as passing a Criminal Records Bureau check, or demonstrating medical fitness to practice.

Our student admissions policy gives more information on the key principles of our recruitment, admissions and 'widening participation' activities – find it online: www.manchester.ac.uk/ug/howtoapply/afteryouapply/assessment

Returning to education

The University encourages applications from those returning to education after employment or other

experience. Your application will be considered against the standard entry criteria of the course; however, we recognise that standard selection measures and procedures may not enable you to demonstrate fully your suitability for your chosen course.

Where appropriate, admissions staff will therefore seek and consider alternative evidence in order to give you equivalent consideration. Should they deem this alternative evidence to meet entry criteria fully, you will not be required to meet the standard academic entry requirements.

The University of Manchester has a programme of information and support for students returning to study after a break. For information, contact the Student Recruitment, Admissions and Widening Participation Division: t +44 (0)161 275 2077. The Students' Union Advice Centre also offers support and advice.

Mitigating circumstances

Mitigating circumstances that may affect/have affected your academic performance may be personal or family illness, other difficult family circumstances, change of teacher during a course, problems with school facilities, or an unusual curriculum followed by your school or college. We recommend that information on mitigating circumstances is included in your referee's report. Please note that we cannot usually take into account information that is supplied after an adverse decision has been made on an application by the admitting school. If mitigating circumstances occur after you have submitted your application, please inform the admissions staff in the school to which you applied as soon as possible.

Where mitigating circumstances have already been taken into account, for example by the relevant exam board, we will not be able to make further allowances.

Deferred entry

We welcome applicants who are planning to defer their entry. Such applications are considered equally alongside other applications up to the point of confirmation. Deferred entry is granted on our discretion; some schools wish to ensure that you use your gap year constructively before they accept your deferral, so please contact the admissions staff for your chosen course before you apply. Deferred entry is normally granted for one year only and for two years at the most. Please also note that some English language test results, such as IELTS or TOEFL, are only valid for two years from the test date.

Re-applications

If you applied for 2012 entry and your application was unsuccessful, you may apply again. Your application will be considered against the standard course entry criteria for 2013. You should demonstrate how your application has improved this year. We may draw upon all information from your previous applications, or any previous registrations at the University as a student, when assessing your suitability for your chosen course.

If you are applying for a place for the same year of entry through UCAS Extra, you should provide additional evidence of your suitability for the course. If you are applying through clearing, you must meet the clearing requirements. In both UCAS Extra and clearing, places will be subject to availability.

Re-sits

The University will consider applicants who have re-sat individual modules. If you resat your final examinations in Year 13, we may require further information in order to make an informed academic judgment on your application.

Duration of previous study

If you either sat your examinations early, or followed an accelerated curriculum and spent three years studying A-levels where the examinations were taken over two years, your application will be considered against the standard selection process of your chosen course. For applicants studying an advanced curriculum where the examinations are spread over three years, consideration for an offer will be at the discretion of the admissions tutor for your subject.

UCAS Extra

For details on UCAS Extra, see: www.ucas.com

Confirming your place

After the University has been notified of your exam results, and if you meet the terms of your offer, you do not need to contact us. You will receive an AS12 letter from UCAS instructing you on the next steps. If you narrowly fail to meet the grades required, you may still be accepted. In certain cases, we will contact you to ask if you wish to be considered for a different but related course. An offer of a place on a course with us will be subject to your meeting our entry requirements and any academic or other conditions set out in the formal offer from UCAS.

If we make you an offer of a place, it is essential that you are aware of the current terms on which the offer

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is made. If you are in any doubt, please contact the academic department for confirmation before you accept the offer.

Clearing

Details of the clearing arrangements that will apply in 2013 will be available at:
www.manchester.ac.uk

Our widening participation policy

See p196 for details.

Appeals and complaints for applicants

We aim to consider all applications fairly and effectively, in line with our procedures. However, if you are dissatisfied with the outcome or treatment of your application, you should request feedback on your application from admissions staff for the course to which you have applied. If you are not satisfied with the feedback, you should use the 'Appeals and Complaints Procedure for Applicants', which has been established to safeguard the interests of prospective students. This is available online:
www.manchester.ac.uk/ug/howtoapply/afteryourapply/offer

Data protection

When you sign the declaration on the UCAS application form, you agree that UCAS and the universities and colleges can process your personal and sensitive data and keep a copy of your form to collect statistics and detect and prevent fraud. Accompanying UCAS guidance gives details of the purposes for data processing and details of third parties to whom data may be disclosed, including your referee and your school/college.

If you are making a general enquiry to the University, you should be informed of any further processing that might take place and to whom your data will be disclosed, eg your details will be passed to the relevant academic school/s. You will also be informed if your enquiry will be retained on file for a specific period, as you have a right to object to this.

ENTRY REQUIREMENTS

General requirements

Entry requirements are set for each course, designed to ensure you are suitably prepared to follow your chosen course. We give careful consideration to your application on the basis of your qualifications, experience, abilities and potential.

Indicative entry requirements for each course can be found in this prospectus under each subject area, and in the course index. Full entry requirements can be found on our website www.manchester.ac.uk or in the UCAS 'Entry Profiles' at: www.ucas.com

We welcome applications from students achieving excellence in a wide range of international and UK qualifications.

Acceptable combinations of qualification levels and types vary from one course to another. We normally require specified levels of achievement at Level 3, eg A-levels. Some courses also specify levels of attainment in particular Level 2 subjects, eg GCSEs. All courses require applicants to have acceptable levels of literacy and numeracy. For some courses, compulsory subject requirements apply. For further advice on current entry requirements for specific courses, please contact the academic department concerned. Contact details can be found on our website.

If you have qualifications from outside the UK and EU and wish to check if they are acceptable for entry, please contact our International Development team: international@manchester.ac.uk

The University treats each application individually. Please ensure that within your application you provide information on any factors that have restricted your opportunity to study the required subjects, or attain the required grades. You should also ask your school/college to include such information in the reference.

English language

Teaching, assessment and student support normally take place in English. You must therefore demonstrate your proficiency in the written and spoken use of the English language to the standard required by the University and the specific entry requirements of the course you are applying for.

Minimum acceptable level of proficiency for admission to most courses is GCSE English Language (grade C or above), or an International English Language Testing (IELTS) average score of 6.0. For more linguistically demanding courses (eg law, management and medicine), requirements are higher.

There are a number of acceptable English Language qualifications. For further advice, contact our International Development team: international@manchester.ac.uk. We recommend

that all international applicants whose first language is not English consider the three-week, pre-session English language course offered by the University Language Centre. We may advise students requiring further support to undertake longer pre-session courses. For further information on English language support, see: www.manchester.ac.uk/langcent

Returning to education

We encourage applications from those wishing to begin a degree course after a break from formal study, but recognise that standard selection measures and procedures may not enable you to fully demonstrate your suitability. Admissions officers will seek and consider alternative evidence in order to give you equivalent consideration. Should they deem this alternative evidence to meet entry criteria fully, standard academic entry requirements may be altered. It is very useful to start a degree course with relevant study skills and knowledge and many subject areas will want some evidence that you have recently engaged in formal study.

The University will continue to review its entry requirements in the light of its teaching and learning strategy, developments in the pre-university sector and the changing applicant profile.

Foundation year courses

Foundation year courses enable UK, EU and international students with ability, but without appropriate qualifications, to progress onto degree courses at the University. See: www.manchester.ac.uk/ug/courses/foundationyear

Foundation year courses for UK and EU students

The University currently offers foundation year courses in Engineering, Science and Life Sciences, details of which can be found in this prospectus – see *p95 and p131*. Medicine/ Dental Surgery/ Pharmacy with a Foundation Year courses are also available – see *p145, p82 and p158*.

Foundation year courses for international students

Please see our separate publication, the international undergraduate prospectus, for details. Contact our International Development team: international@manchester.ac.uk

REGULATIONS FOR APPLICANTS

Since the relationship between a university and a student is contractual, the University has decided to set down this information for applicants, which you are expected to read before accepting a place. The information may seem rather daunting, but it is important to put it in context: the overwhelming majority of students complete their studies uneventfully and comply effortlessly with this regulatory framework.

When you accept a place with us, you agree to comply with the rules and regulations under which the University and its students must operate. The principles underpinning these are set out in the University's Statutes, Ordinances and Regulations, full details of which are available online:

www.manchester.ac.uk/governance

Those which will be most directly relevant to you as a registered student are highlighted below – and described more fully in other University documents, which will be provided to you when you start with us.

Registration and payment of fees (Ordinance XVI)

Registration is your formal admission to the University, and includes tuition fees payment, or providing evidence of sponsorship/funding. Until you register, you are not entitled to attend classes or use University facilities. Fee payment methods will be outlined in the Crucial Guide, which is circulated to all new students before they register, and is available online: www.studentnet.manchester.ac.uk/crucial-guide

Unless otherwise agreed, you shall cease to be a registered student if fee payments do not go through, and you cannot re-register in following years until all fees and any other sums due to the University are paid in full. We also reserve the right to terminate registration if you are found to have omitted or falsified relevant facts or information in connection with your application.

Student fees increase with inflation. The University therefore also reserves the right to make such alterations to the fees as necessary.

For fees queries, contact our Student Services Centre, or visit: www.manchester.ac.uk/studentfinance

Attendance and absence (General regulation XX)

Each University course has specific compulsory requirements for the work and attendance of students

that will be set down in your Programme Handbook, available to you at registration. If you do not meet these requirements, you will be given the opportunity to improve; if no improvement is made, you may not be permitted to take the examinations for your academic course. You may appeal against such decisions if you feel you have grounds.

Examinations and assessments (General regulation XII)

Details of examination and assessment regulations will be in your Faculty or School Handbook and Programme Handbook, including information on penalties for issues such as plagiarism, and requests for reviewing examiner decisions.

Conduct and discipline of students (General regulation XVII)

You are expected to abide by University regulations relating to conduct, both academic and non-academic. Misconduct or breaches of regulations that interfere with the proper functioning of University activities or the University community, or action that otherwise damages the University, may lead to disciplinary action.

Harassment

We regard sexual, racial, or personal harassment as very serious. If a harassment complaint is substantiated, it may lead to disciplinary action. See 'Equality and diversity' (below).

Complaints procedure (General regulation XVIII)

To help ensure the standard and quality of our courses, services and facilities, students have access to a formal complaints procedure, which we expect you to follow where appropriate before attempting to resolve grievances by other means. We endeavour to deal promptly and efficiently with complaints, to investigate them thoroughly and objectively and to seek to resolve them satisfactorily.

Computer use (Ordinance XIV and General regulation XV)

University computing facilities are available for academic and related work only. Misuse, abuse, or interference with any computing equipment, programme, data, documentation, or other accessible materials, is prohibited. Our regulations define the responsibilities of users of University facilities.

Breach these, and the University will take disciplinary action – and may also refer the matter to the police, if it constitutes an offence under civil or criminal law. We reserve the right to monitor use of email/internet if there are reasonable grounds to suspect their misuse.

Copyright (Ordinance XIV)

No copyright-protected materials should be copied in any medium, or used in any way other than that provided for: under the terms of the relevant law on copyright; in accordance with guidance issued by the University; under the terms of the copyright licences held by the University; by special permission granted by or on behalf of the owner of the copyright material. Infringement will be liable to disciplinary action and may result in prosecution.

Intellectual Property (IP) and Data Protection (Ordinance XIV)

University project work that a student is involved in may create an invention or other work in which there is IP, or result in the work being published in collaboration with others. You might also do work outside your studies using University resources. In most such cases, the University owns this IP, assuming responsibility for protecting it and, where appropriate, commercialising it. We acknowledge the position of students who have created IP and seek to ensure that they get appropriate recognition and reward. The University also has a right to use and copy theses and other works created by students in various ways for its teaching and research work.

The University processes personal information about you, which will be used in administering all matters relating to your course and, as appropriate and relevant, relating to the provision of University facilities. Data is processed in accordance with the Data Protection Act 1998 requirements and within the limits agreed with the University's Data Protection Officer. You have the right to check information held and correct it if necessary.

Library (General regulation XIV)

Library services and facilities available to students are set out in a series of user guides available in the Library. Admission to the Library, use of its materials and resources, fines and conduct within the Library are governed by University regulations. Failure to observe these regulations, or misconduct within the Library, may result in disciplinary action.

DISABILITY SUPPORT

We recommend that all students with additional support needs contact our Disability Support Office (DSO) for advice and information.

The University welcomes applications from people with additional support needs as a result of a medical condition, disability, mental health difficulty, or specific learning difficulty, eg dyslexia, dyspraxia, etc. All such applications will be considered on exactly the same academic grounds as other applications, but you must make your own decision as to the suitability of the University's provision.

Contact us in advance

If you have additional support needs, you are invited to contact the Admissions Officer of the school in which you are interested, or the DSO, to discuss any needs you may have, necessary arrangements, and what appropriate support is available. You are welcome to visit us before applying, to decide whether this university is right for you. We strongly encourage all disabled students to indicate their disability on their UCAS application, so we can provide support as early as possible.

Open days

Open day details are available from Student Recruitment (t +44 (0)161 275 2077). Should you prefer a separate visit, our DSO can supply information and a member of staff will be pleased to meet you, by prior arrangement. Additional support needs do not necessarily arise from a health issue, but if you need any particular medical treatment, contact the University Student Occupational Health Service to find out about local availability.

Accommodation

Please inform the Accommodation Office if you need any specific facilities, eg wheelchair-adapted accommodation, flashing alarms, etc. Adaptations have been made to a number of rooms in halls of residence to meet the needs of students with impaired mobility. Provision has been made to meet the needs of students with hearing or sight impairments, and there are extensive IT and other support facilities. Find out more: call +44 (0)161 275 2881.

Specialist software

We have specialist software on campus for disabled students and provision for study skills and other support as required. For details, contact the DSO: t +44 (0)161 275 7512/8518.

We can provide a copy of the University's Single Equality Scheme and Action Plan, which sets out the policy and provision for staff, students and visitors with a disability. We can also advise and help with applying for the Disabled Students' Allowance (DSA). www.manchester.ac.uk/dso
dso@manchester.ac.uk

Information is also available from the Students' Union Welfare Officer:

www.umsu.manchester.ac.uk
+44 (0)161 275 2945

ENGLISH LANGUAGE SUPPORT

(including related courses for international students)

The University Language Centre offers various English language courses throughout the year to help you both before and during your degree.

The English for University Study and English for Personal and Professional Development programmes are available throughout the year if you need an extended period of English language improvement to prepare for your degree course. Intensive Pre-Sessional Academic English courses are also provided leading up to the start of the academic year. Part-time In-Sessional support services ensure that you continue to be fully supported if you need to further develop your English language skills during your academic studies.

As a UCAS centre, a service offering advice and help for international students is available and, because we are a regional IELTS testing centre, you can prepare for and take the test at the University Language Centre.

Pre-registration courses

- English for University Study (Sept-Sept): General and Academic English, IELTS Preparation
- English for Personal and Professional Development (Sept-Sept): General and Business English
- Summer Pre-sessional Courses (Apr-Sept 20, 10, 5 and 3 weeks): Academic English

Post-registration courses

- Testing service with recommendations on results available to schools and students
- In-Sessional Support Classes: Academic Writing, Academic Listening and Speaking, Pronunciation and Grammar
- Academic Writing Tutorials/Clinics: Advice, feedback and tutorial support

www.ulc.manchester.ac.uk

EQUALITY AND DIVERSITY POLICIES

The University seeks to provide a positive working and learning environment free from discrimination, harassment or victimisation, where all staff and students are treated with respect and dignity. We aim to create a friendly and welcoming environment for you, irrespective of your age, disability, ethnicity, gender, marital status, nationality, religion or sexual orientation.

We aim to ensure that:

- All students have equal access to the full range of institutional facilities, wherever possible
- All students have support on equality and diversity issues through training, guidance and publications
- We involve and consult with students on key issues that are important to you

See online for details:

www.manchester.ac.uk/equalityanddiversity

Alternatively, contact the Equality and Diversity Team for advice or guidance:

t +44 (0)161 306 5857 / text +44 (0)7943 600 656 / equalityanddiversity@manchester.ac.uk

WIDENING PARTICIPATION

We are firmly committed to being an open and accessible institution that proactively seeks out talented people capable of benefiting from higher education.

We aim to minimise any barriers to higher education progression – financial, educational, or cultural – thus contributing to the expansion of higher education opportunities, nationally and internationally. Our strategy consists of pre- and post-16 activities, admissions and student support work.

Within local communities in Greater Manchester, we reach out to primary and secondary pupils and those who might influence them, promoting progression to higher education generally. We run mentoring programmes, higher education summer schools, taster courses and campus visits.

We also aim to proactively identify students aged 16 or older who demonstrate outstanding achievement and potential for progression to our University, irrespective of background. Regionally and nationally, we attend and run relevant events and conventions,

workshops, taster visits, presentations by key University staff on course applications and choices, and campus tours.

In addition, we run the Manchester Access Programme (MAP), which aims to support outstanding students from under-represented groups in Greater Manchester to enter our University, or another research-intensive university.

You can find out more about all of these initiatives online: www.manchester.ac.uk/schoolsandcolleges

We want to seek out and attract the very best learners we can from around the UK and the rest of the world. Our admissions process therefore seeks to identify students of outstanding achievement and potential from all educational backgrounds, particularly those who have not enjoyed equality of opportunity to good primary and secondary education. We are committed to ensuring that this process is transparent, fair and able to identify outstanding students from all backgrounds. Details of entry requirements and selection processes can be found at: www.manchester.ac.uk/ug/howtoapply

We are also aware that many prospective students are deterred from applying to university because of financial reasons. We therefore offer generous financial support for talented students who might otherwise be denied a higher education because of their economic circumstances. More than one-third of all home/EU students who successfully apply to study here will receive bursaries of up to £3,000 per year and many students will be offered even more generous support. Eligible students will also be able to choose how they receive this support – either as a cash bursary or as a discount on their fees or accommodation bill.

To help you decide which options are best for you, see further information on student finance on p46, and online: www.manchester.ac.uk/ug/studentfinance

We want to ensure that you are supported in making the decision to study here. If you have any questions about entry to the University, or student support facilities, call +44 (0)161 275 2077. We also encourage you to visit us on one of our open days (see the inside front cover for details) and see for yourself everything we have to offer you.

UNIVERSITY MAPS



HOW TO GET HERE

All directions listed are to the Visitors Centre in University Place building 37 on the campus map (see page 200).

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 bus.

From Piccadilly Bus Station catch any of the following buses: 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 bus.

Sat Nav

Sackville St postcode
M1 3BB

Oxford Rd postcode
M13 9PL

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

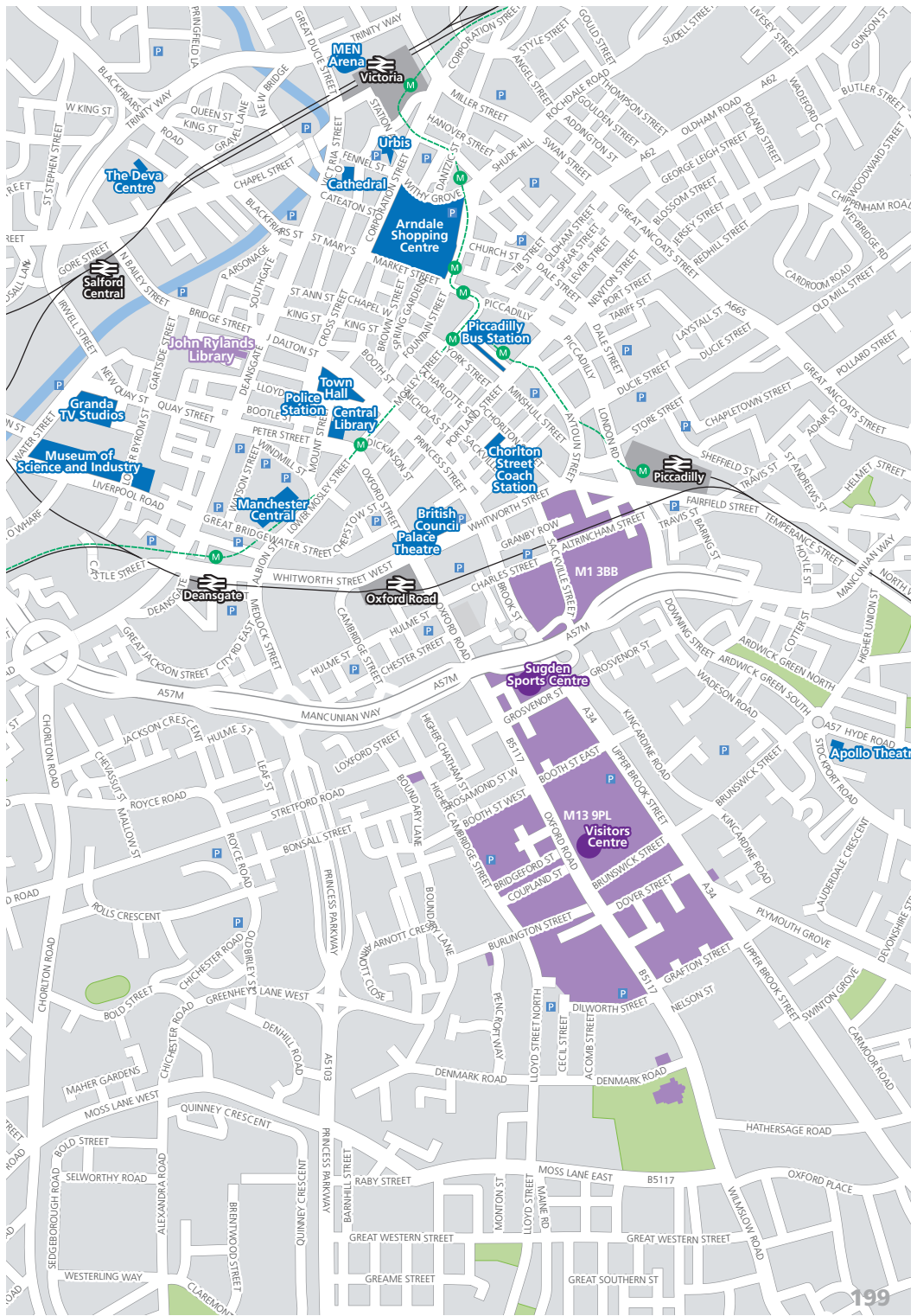
Leave the M6 at Junction 19 and turn right onto the A556. Follow signs for Manchester Airport and join the M56. Stay on M56 until it joins Princess Parkway (A5103).

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

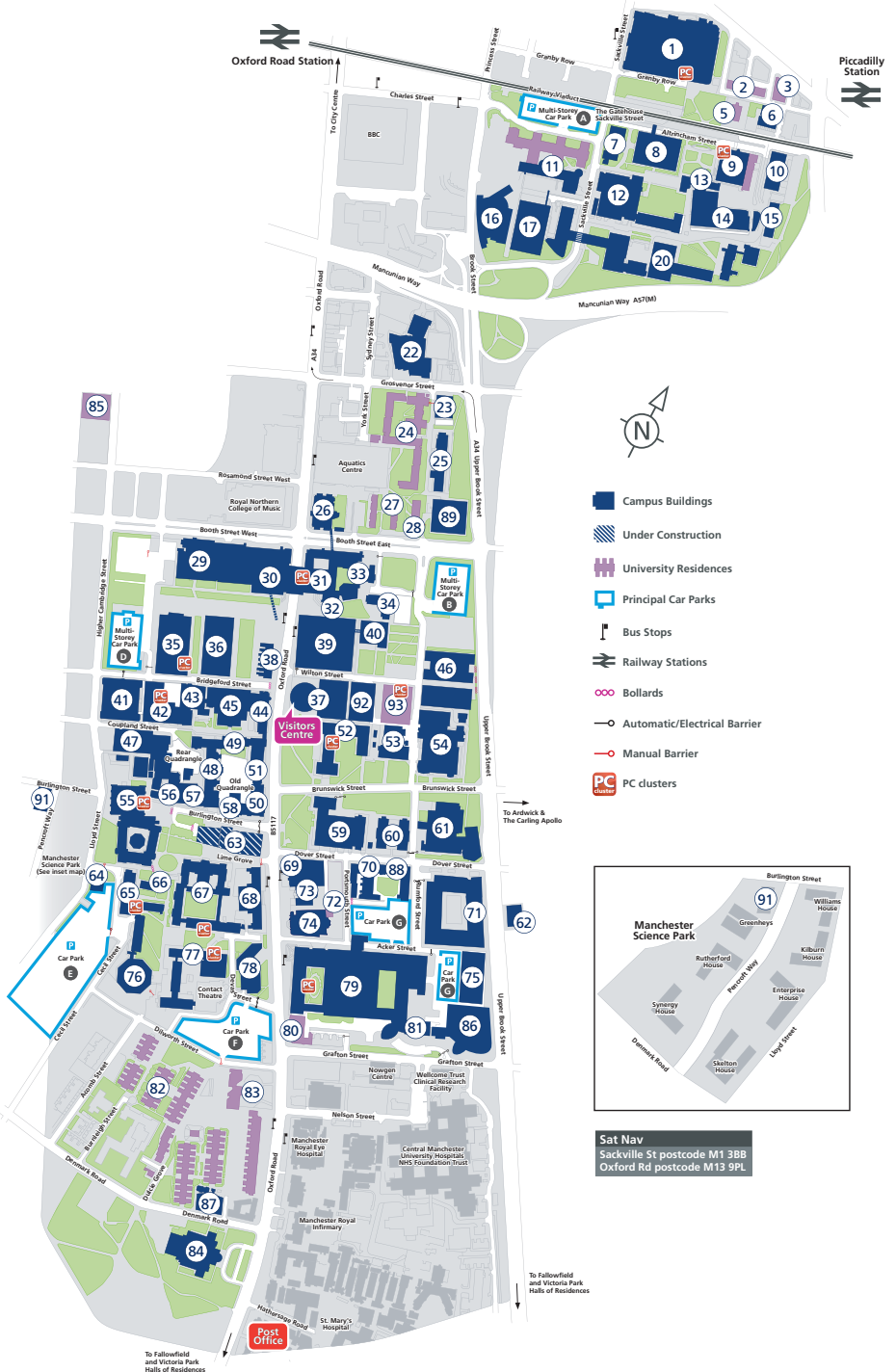
At the end of the motorway, join Hyde Road (A57). Continue along for approximately three miles, following signs for the city centre.

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).



CAMPUS MAP

- 1 Sackville Street Building
- 2 Lambert Hall
- 3 Fairfield Hall
- 6 Echoes Day Nursery
- 7 Paper Science Building
- 8 Renold Building
- 9 Barnes Wallis Building / Students' Union / Wright Robinson Hall
- 10 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 Peter's 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 University 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
- 63 Learning Commons
- 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
- 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
- 88 Carys Bannister Building
- 89 Chemical Engineering and Analytical Sciences - James Chadwick Building
- 91 McDougall Centre
- 92 Jean McFarlane Building
- 93 George Kenyon Building and Hall of Residence



ACCOMMODATION MAP




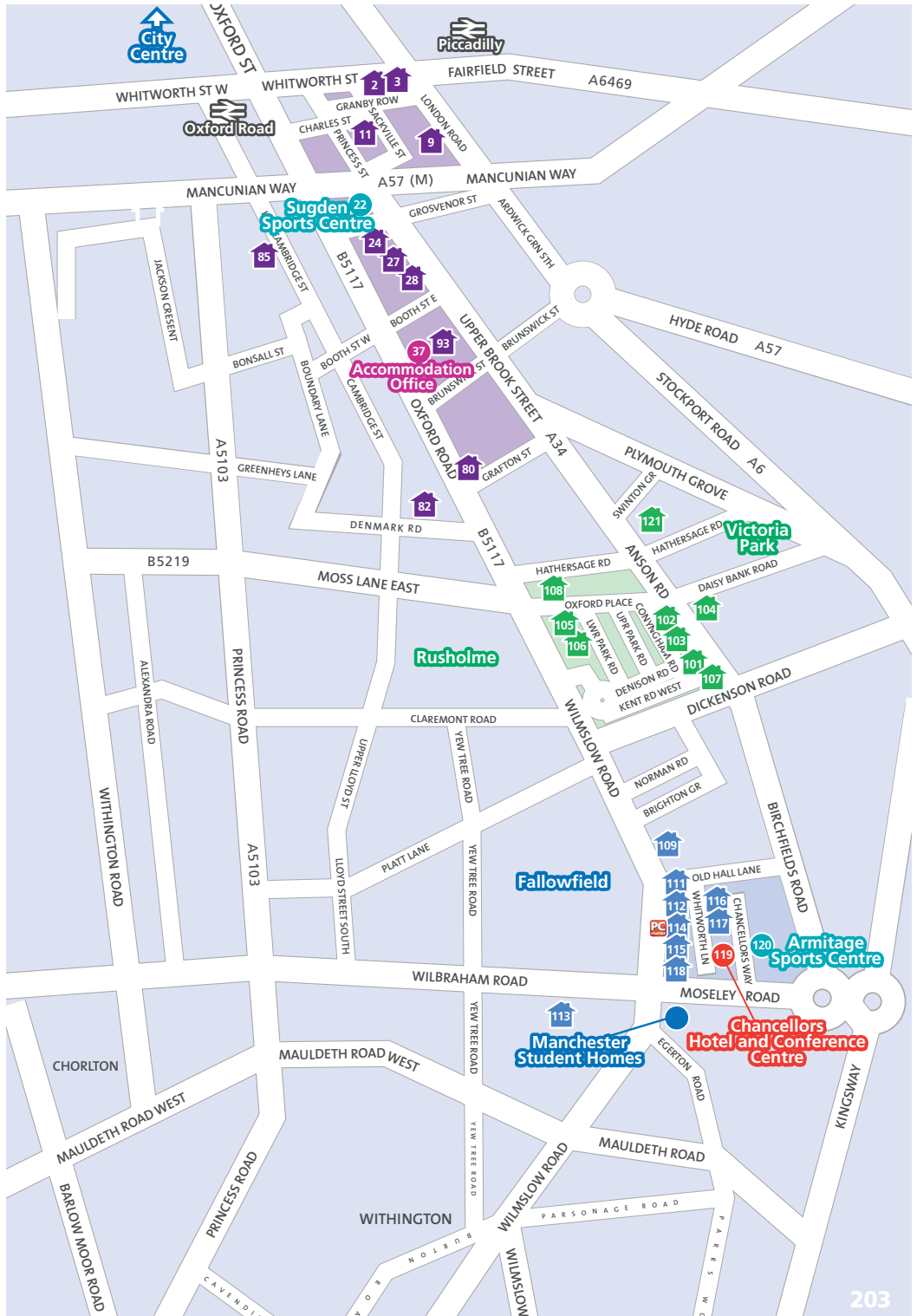
Ashburne Hall



Owens Park



- | | | |
|--|---|--------------------------------|
| 37 Accommodation Office | 24 Grosvenor Group of Halls | 22 Sugden Sports Centre |
| 109 Allen Hall | 80 Horniman House | 107 St Anselm Hall |
| 120 Armitage Sports Centre | 105 Hulme Hall | 108 St Gabriel's Hall |
| 111 Ashburne Hall | 2 Lambert Hall | 121 Victoria Hall |
| 27 Bowden Court | 113 Linton House | 11 Weston Hall |
| 106 Burkhardt House at Hulme Hall | 115 Oak House | 82 Whitworth Park |
| 101 Canterbury Court | 85 Opal Hall | 118 Woolton Hall |
| 119 Chancellors Hotel and Conference Centre | 104 Opal Gardens | 9 Wright Robinson Hall |
| 102 Dalton Ellis Hall | 114 Owens Park  | |
| 3 Fairfield Hall | 103 Pankhurst Court | |
| 117 Firs Villa | 116 Richmond Park | |
| 93 George Kenyon Hall | 28 Ronson Hall | |
| | 112 Sheavyn House | |





COURSE INDEX



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A		
Accounting BSc 3/4yrs	N400	50
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Accounting and Economics BA (Econ) 3yrs	NL41	50, 90
Accounting and Finance BA (Econ) 3yrs	NN43	50, 90
Accounting, Management and Information Systems BSc 3yrs	NG45	50
Actuarial Science and Mathematics BSc 3 yrs	NG31	140
Adult Nursing BNurs 3yrs	B740	152
Aerospace Engineering BEng 3yrs	H400	52
Aerospace Engineering MEng 4yrs	H402	52
Aerospace Engineering with Industrial Experience MEng 5yrs	H406	52
Aerospace Engineering with Management MEng 4yrs	H4ND	52
American Studies BA 3yrs	T701	96
Anatomical Sciences BSc 3yrs	B110	120
Anatomical Sciences with a Modern Language BSc 4yrs	B114	121, 149
Anatomical Sciences with Industrial/Professional Experience BSc 4yrs	B111	120
Ancient History and Archaeology BA 3yrs	VV14	54, 75
Ancient History BA 3yrs	V110	54, 75
Applied Community and Youth Work Studies BA	L590	185
Arabic Studies BA 4yrs	T624	146
Archaeology and Anthropology BA 3 yrs	VL46	54, 174
Archaeology and Art History BA 3yrs	VV43	54, 57
Archaeology BA 3yrs	V400	54
Architecture BA 3yrs	K100	56
Artificial Intelligence BSc 3yrs	G700	77
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Artificial Intelligence with Industrial Experience BSc 4yrs	G701	77

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B

Biochemistry BSc 3yrs	C700	120
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Biochemistry with Industrial/Professional Experience BSc 4yrs	C701	120
Biology BSc 3yrs	C100	120
Biology with a Modern Language BSc 4yrs	C106	121, 149
Biology with Industrial/Professional Experience BSc 4yrs	C101	120
Biology with Science and Society BSc 3yrs	C1V3	120
Biology with Science and Society with Industrial/Professional Experience BSc 4yrs	C1L3	120
Biomaterials Science and Tissue Engineering BSc 3yrs	J2BV	136
Biomaterials Science and Tissue Engineering MEng 4yrs	BJ82	136
Biomaterials Science and Tissue Engineering with Industrial Experience MEng 4yrs	J2B8	136
Biomedical Sciences BSc 3yrs	B940	120
Biomedical Sciences with a Modern Language BSc 4yrs	B9R9	121
Biomedical Sciences with Industrial/Professional Experience BSc 4yrs	B941	120
Biotechnology BSc 3yrs	C560	120
Biotechnology with Industrial/Professional Experience BSc 4yrs	C561	120
Business Studies BA (Econ) 3yrs	N100	58, 90
Business Studies and Economics BA (Econ) 3yrs	NL11	58, 90
Business Studies and Politics BA (Econ) 3yrs	NL12	58, 90, 167
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Cell Biology BSc 3yrs	C130	120
Cell Biology with a Modern Language BSc 4yrs	C132	121, 149
Cell Biology with Industrial/Professional Experience BSc 4yrs	C131	120
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Chemical Engineering BEng 3yrs	H800	64

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COURSE A-Z	UCAS CODE	PAGE
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Chemical Engineering with Biotechnology MEng 4yrs	H8C5	64
Chemical Engineering with Chemistry MEng 4yrs	H8F1	64
Chemical Engineering with Environmental Technology MEng 4yrs	H8F8	64
Chemical Engineering with Industrial Experience MEng 4yrs	H803	64
Chemical Engineering with Study in Europe MEng 4yrs	H810	64
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Chemistry MChem 4yrs	F109	67
Chemistry with Forensic and Analytical Chemistry MChem 4yrs	F1F4	67
Chemistry with Industrial Experience MChem 4yrs	F101	67
Chemistry with Medicinal Chemistry BSc 3yrs	F150	67
Chemistry with Medicinal Chemistry MChem 4yrs	F152	67
Chemistry with Study in Europe MChem 4yrs	F102	67
Chemistry with Study in North America MChem 4yrs	F103	67
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Chinese Studies BA 4yrs	T100	70
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Civil Engineering BEng 3yrs	H200	72
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Computer Science and Mathematics with Industrial Experience BSc 4yrs	GG41	77
Computer Science BSc 3yrs	G400	77
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Computer Science with Business and Management BSc 3yrs	G4N2	77
Computer Science with Business and Management with Industrial Experience BSc 4yrs	GNK1	77
Computer Science with Industrial Experience BSc 4yrs	G405	77
Computer Systems Engineering BEng 3yrs	HH66	77
Computer Systems Engineering MEng 4yrs	GH4P	77
Computer Systems Engineering with Industrial Experience BEng 4yrs	HHQ6	77
Computing for Business Applications BSc 3yrs	G510	77
Computing for Business Applications with Industrial Experience BSc 4yrs	G511	77
Criminology BA 3yrs	M901	117

D

Dentistry (first-year entry) BDS 5yrs	A206	82
Dentistry (including Foundation Year) BDS 6yrs	A204	82
Design Management for Fashion Retailing BSc 3yrs	W290	182
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Development Studies and Politics BA (Econ) 3yrs	LL92	90, 167
Development Studies and Sociology BA (Econ) 3yrs	LL93	90, 178
Development Studies BA (Econ) 3yrs	L900	90
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French and Screen Studies BA 4yrs	RW16	101
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French Studies BA 4yrs	R110	101
G		
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