

MANCHESTER
1824

The University of Manchester

UNDERGRADUATE INTERNATIONAL PROSPECTUS 2014



www.manchester.ac.uk

1,000,000,000

Pounds to be invested in the University by 2020

270,000,000

Pounds of external research funding

270,000

Alumni across 180 countries

25,000

Unique electronic books

11,000

International students

400

Degree programmes

25

Nobel Prize winners

1

Choice: The University of Manchester

TAKE THE FIRST STEP INTO A WORLD OF OPPORTUNITY

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A degree from The University of Manchester is a passport to a successful life and career. We are recognised throughout the world for the quality of our teaching, with international-standard research shaping our courses.

We have a strong heritage of innovation, with 25 Nobel Prize winners among our former and current staff and students. Employers know that Manchester graduates are equipped to make an impact. We give them the best, from hi-tech learning environments to flexible courses built with employability in mind.

FIND OUT MORE
www.manchester.ac.uk/international



WELCOME TO THE UNIVERSITY OF MANCHESTER



THE BEGINNING OF A LIFELONG JOURNEY

At Manchester we give our students an experience that will prepare them for a lifetime of achievement. We enjoy an international reputation for our pioneering research and innovation. This work underpins our undergraduate courses and introduces students to the latest thinking in their chosen field.

Our problem-based approach to learning inspires students to think critically and creatively, cultivating their independence and making them more attractive to employers.

Each year we welcome more international students than any other UK university. Whatever they study, they soon make new friends from across the world.

We offer:

- a truly diverse university, welcoming more than 40,000 students from 180 different countries
- a friendly, multicultural campus at the heart of an original, modern city
- a degree that is highly rated by employers worldwide.

A DEGREE THAT THE WORLD WILL RECOGNISE

Part of the prestigious Russell Group of universities, with outstanding facilities and the widest range of courses, we are highly respected across the globe as a centre of teaching excellence.

Our international reputation as a leading teaching and research institution is demonstrated by our consistently strong performance in the Shanghai Jiao Tong University's Academic Ranking of World Universities. The 2012 survey ranked us fifth in the UK and 40th worldwide.

With strong links to global industry and courses that are built with employability in mind, we offer a degree that lifts our graduates above the rest.

We offer a world of opportunity. Studying here is only the beginning.

THEIR JOURNEY STARTED HERE

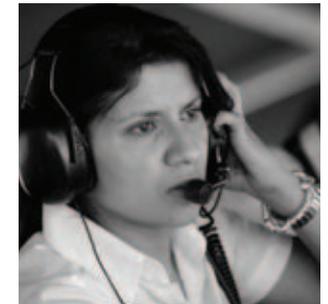
We have lifelong relationships with more than 270,000 former students spread across 180 countries. Many famous names completed courses with us, including:



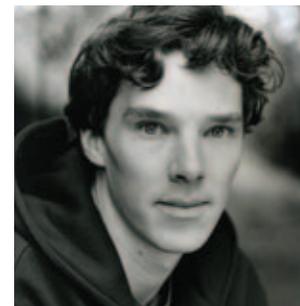
HE George Maxwell Richards
President of the Republic of
Trinidad and Tobago



Teo Chee Hean
Deputy prime minister
of Singapore



Leena Gade
Race engineer, Audi Sport



Benedict Cumberbatch
Actor



Lord Terence Burns
Chairman, Santander and
Chairman designate, Channel 4



Sir Philip Craven
President, International
Paralympic Committee

“I love The University of Manchester. Manchester is one of the biggest student cities, with an open campus and an extremely welcoming atmosphere. It’s a home away from home for me.”

Shruti Sethi – BSc Management (Accounting and Finance)

THE MANCHESTER EXPERIENCE

A university that answers life's biggest questions. A city with a passion for innovation and reinvention, setting the pace in industry, sport and the arts.

An education that will equip students for future success and inspire them to make a difference.

Experience all this and more in Manchester.

MANCHESTER MADE THEM

Alumni, students, staff and an employer share their Manchester experiences throughout this prospectus.

Pei Ying Lim

Economics and Finance student
p42

Mehnaz Khan

Electrical and Electronic Engineering student
p70

Scott Wong

Medicine student and international athlete
p96

Professor Sir Konstantin Novoselov

Physics and Astronomy research associate
p106

“There is never a dull moment in Manchester – it’s got to be the best university city in the UK!”

Sandy Jackson

BSc Biology with Science and Society



INSPIRATIONAL MANCHESTER



It is in our DNA to find new ways of doing things, whether it is exploring the energy solutions of tomorrow through Manchester Energy, researching nuclear power at Dalton Nuclear Institute, or investigating the potential of a wonder material at the National Graphene Institute.

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

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

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

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

Those who choose Manchester become part of a teaching and research community that is finding solutions to some of the world's most urgent problems.



GRAPHENE – THE WORLD'S LATEST WONDER MATERIAL

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

Isolating the properties of graphene won our scientists Andre Geim and Konstantin Novoselov the Nobel Prize for Physics in 2010 and a knighthood in 2012.

www.graphene.manchester.ac.uk

LEADING THE FIGHT AGAINST CANCER

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

www.mcrc.manchester.ac.uk

RESPONDING TO HUMANITARIAN CRISES

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

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

www.hcri.ac.uk

UNDERSTANDING THE BRAIN

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

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

www.ls.manchester.ac.uk/research/

ANSWERING THE BIG QUESTIONS SINCE 1824



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

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

The economist William Arthur Lewis, one of 25 Nobel Prize winners to have worked here, published his most influential works while at Manchester. And Christabel Pankhurst, a Manchester law graduate unable to enter the profession on account of her sex, became one of the suffragette movement's most committed campaigners.

A degree from The University of Manchester allows graduates to become part of a distinguished club whose collective achievements have shaped the history of the modern world.



MIGHT CHANGE TO AURTHER LEWIS

OUR RESEARCH

IMPACT ON STUDENTS – AND ON THE WORLD

The best universities are defined by their research. At Manchester, our world-leading research directly benefits our undergraduate students.

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 discoveries that contribute to global knowledge.

Our students mix with, and learn from, 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 our courses. Research that is in the news one day may feature in our lectures the next.

“I chose Manchester because it has one of the best RAE rankings and top-class facilities.”

Ali Jahran
Biomedical Materials Science

We have strong collaborative links with industry and public services, which inform our research and ensure that our courses are tailored to the needs of employers. And to help further our research, we invest significantly in facilities and resources, many of which will be available for students to use too.

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 – such as cancer, poverty and climate change – and are making a real difference to the quality of people's lives.

HOW WE RANK

We are 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 was rated 'world-leading' or 'internationally excellent', with most of the remainder judged to be of a quality that is 'recognised internationally in terms of originality, significance and rigour'

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

FIND OUT MORE

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

RANKING

Top 10 universities by research activity judged to be 'world-leading' (4*) or 'internationally excellent' (3*)

1: University of Oxford

2: University of Cambridge

3: The University of Manchester

4: University College London

5: University of Edinburgh



LEARNING AT MANCHESTER

OUR TEACHING

Our courses are designed to bring world-leading research into the classroom. Teaching is delivered by tutors who are at the forefront of their fields, and our strong industrial links ensure our courses equip students with the skills employers look for.

At Manchester, students can expect a full range of teaching methods. Alongside more traditional lectures and seminars they gain experience of methods such as group projects, enquiry-based learning and e-learning.

In particular, we provide an advanced virtual learning environment that gives online access to course materials, learning activities, self-assessment exercises and assignment submission, as well as the opportunity to have interactive discussions with teaching staff and other students. In some courses students undertake practical work using specific laboratory or workshop equipment.

Assessment methods vary with each course but may include examinations, project work and continuous assessment via essays, reports, presentations and practical work.

We offer:

- flexible, multidisciplinary courses that can be tailored to interests and career ambitions;
- courses that challenge preconceptions and give a greater understanding of what it means to be a responsible global citizen;
- an education that encourages independent critical thinking and analysis – focusing on skills that employers value;
- through an academic adviser, individual support to help students take control of their learning and develop their confidence.

OUR FACILITIES

We are undertaking the biggest investment programme ever seen in UK higher education – we have already invested £750 million in buildings and facilities since 2004 and we are now putting another £1 billion into further teaching and student facilities.

Libraries and study spaces

With one of the biggest university libraries in the UK, several specialist libraries and extensive cross-campus IT facilities, we make sure our students have everything they need to be successful in their course.

Alongside traditional library services, we offer self-service facilities, state-of-the-art group study areas, an in-house binding service and Wi-Fi throughout. Our £24 million Alan Gilbert Learning Commons provides a stimulating 24/7 environment for study, combining inspiring decor with flexible spaces and the latest in learning technology.

Across campus several specialist libraries offer subject-specific and tailored services. The John Rylands Library, a magnificent neo-Gothic building housing one of the world's finest collections of rare books and manuscripts, offers a vast array of resources that are available for students to use. It is also a thriving visitor attraction, with exhibitions and events taking place throughout the year.



IT facilities

There are nearly 4,000 computers on campus, many within individual academic Schools and halls of residence. Nearly all of our halls of residence offer Internet access and there is also extensive free Wi-Fi across campus.

We give students an IT account that allows them to access all our main computing services. These include our email system, which includes 25GB of individual storage space, a calendar for managing schedules, instant messaging, and mobile phone compatibility. If problems arise, there is always someone on hand to help via our 24/7 IT support telephone line.

Our students benefit from:

- extensive learning and research facilities;
- one of the largest and best-resourced university libraries in the UK, with more than four million books;
- a dedicated IT provision that is constantly being updated to meet students' requirements;
- e-learning resources unrivalled by any other UK university.

FIND OUT MORE

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

CAREERS

At Manchester we make things happen. That is why our students finish with so much more than a degree – they grasp the opportunities we offer and set their own course for a lifetime of success.

Each year our careers fairs, workshops and presentations attract more than 600 exhibitors and 20,000 visitors; no other university works harder to get students' careers off the ground.

A Manchester degree carries weight around the world. We are one of the most targeted UK universities by major graduate recruiters¹ and we have a score of 100/100 for 'employer reputation'²

We offer:

- access to more than 6,000 UK and global employers, who work with our award-winning Careers Service to promote career opportunities to our students;
- fairs, workshops and presentations that attract more than 600 exhibitors and 20,000 visitors a year;
- careers-related help from the first day, including help to find part-time jobs and internships;
- essential advice from trained careers consultants and industry professionals;
- support tailored to the specific needs of international students;
- two years' access to the Careers Service after graduation.

1. *The Graduate Market in 2013*. High Fliers Research Ltd.
2. *QS World University Rankings – 2012* <http://www.topuniversities.com/university-rankings/world-university-rankings/2012>

DEVELOPING SKILLS THAT EMPLOYERS WANT

Many of our academic Schools offer careers-related course units that count towards degrees. By selecting these units, students can develop skills such as teamwork and commercial awareness – and many lectures are delivered by employers, who will explain exactly what they are looking for in recruits. In addition, our Manchester Leadership Programme (MLP) combines a credit-bearing 'Leadership in Action' course unit with up to 60 hours of voluntary work in the community. MLP is widely respected because it encourages students to develop a range of transferable skills that employers like to see, while making a positive difference to the lives of local people.

Manchester graduates have an excellent reputation among employers and the University maintains close links with major global companies. This ensures that our teaching is relevant to the needs of employers. For those looking for work experience as part of their degree, many courses offer the opportunity to spend a period of time with a company, which we refer to as a 'with industrial experience' option.



“The Careers Service really helped me get a job after graduation. During my final year they helped me to get my CV checked, practise psychometric tests, and attend several careers fairs and events.”

Sophie Robinson
BSc (Hons) Management (Marketing)

FIND OUT MORE

www.manchester.ac.uk/careers
www.manchester.ac.uk/careers/international
www.manchester.ac.uk/mlp
www.manchester.ac.uk/undergraduate/courses/studyabroad

THE MANCHESTER EXPERIENCE



“Part of my course involved a year in another institution of my choice, and so I ended up doing my exchange at the University of Queensland in Brisbane, Australia. That year was one of the best of my life and I would encourage anyone who is considering exchange to go for it!”

Achilleas Kolonas
BSc International Management

Undergraduate international
prospectus 2014

16/17

MEETING EMPLOYERS

We have relationships with leading multinational recruiters, who participate in many of our careers events and workshops. They help our students to develop important skills such as team working and leadership. Over 600 organisations get involved in our events each year.

We run dedicated events for international students, such as our International Students Careers Week, and country-specific events, such as our Pakistan Graduate Jobs Fair in 2012 and our China Networking Event in 2013.

www.careers.manchester.ac.uk/students/international/whatsonoffer/

MENTORING AND NETWORKS

Our award-winning programme, Manchester Gold, provides access to over 400 mentoring opportunities with representatives from organisations across the globe. Mentors include over 100 international alumni.

www.manchester.ac.uk/careers/mentoring

Students can link up with former international students from Manchester through our online network groups: the India, China and Pakistan Manchester Graduate Networks.

www.careers.manchester.ac.uk/students/international/whatsonoffer/

GAIN VALUABLE EXPERIENCE

A summer internship or year-long placement can help students boost their experience, make contacts and stand out from the crowd. We advertise hundreds of opportunities every year and help with applications and interviews.

Our International Talent service also offers work opportunities that use our students' language skills to help local businesses.

www.manchester.ac.uk/careers/workexperience
www.manchester.ac.uk/careers/internationaltalent

TIME ABROAD

Some students may wish to consider a period studying abroad with one of our many partner institutions worldwide. Study abroad broadens our students' horizons and gives them a head start when they graduate. The University of Manchester has a large number of prestigious overseas exchange partners for study abroad, both in Europe and further afield.

The majority of our undergraduate courses allow participation in the Study Abroad Programme where students spend time, usually a semester, at one of our partner institutions. Study abroad periods are available either in the second year of a three-year course, or in the third year of a four-year course.

www.manchester.ac.uk/studyabroad

UK OPTIONS

We offer a dedicated website and regular online updates, guiding international students on the UK work visa options and regulations.

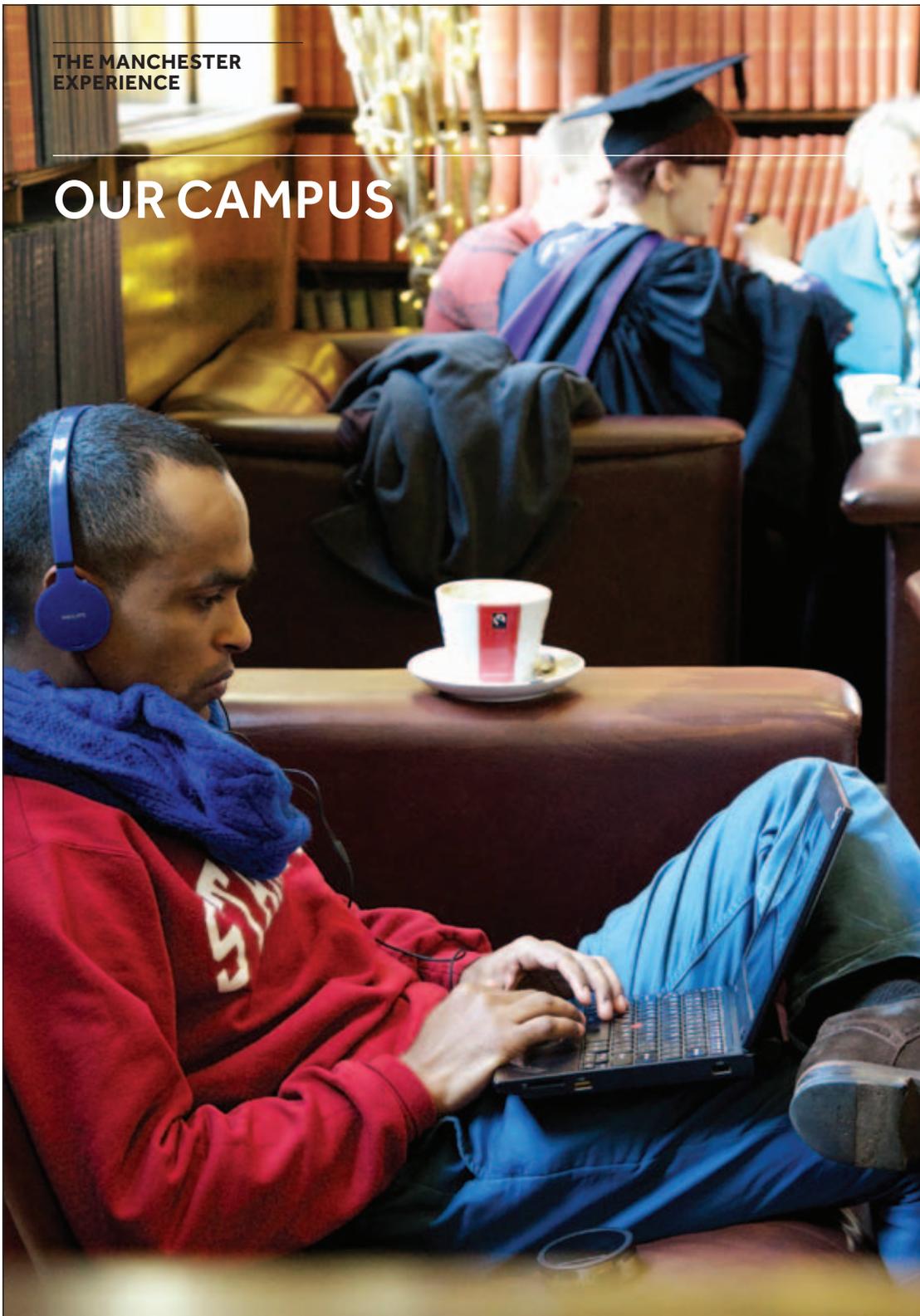
www.manchester.ac.uk/careers/international

EXPLORE INTERNATIONAL JOBS

Our guides to finding jobs in their home countries help our international students to stay connected to the job markets in over 50 countries online. We also subscribe to an international jobs database – Going Global – providing global opportunities and information.

www.manchester.ac.uk/careers/students/international/workinginyourhomecountry

OUR CAMPUS



A HOME AWAY FROM HOME

The University of Manchester is large, yet compact enough to give the best of both worlds: a city life and a campus community.

Our campus occupies a large area close to the city centre. It is dominated by grand Victorian and more modern buildings, but also has quiet corners, landscaped gardens, cafes and common rooms where our students can relax and spend time with friends. We have places of worship for the majority of faiths. Everything is within walking distance or connected via a free bus service. Getting around the campus is easy.

INVESTING IN OUR CAMPUS

We have completed the biggest investment in buildings and facilities ever seen at a British university, to create the best learning environment for our students. Recent additions include contemporary lecture theatres, laboratories, studios, computer labs and a host of student support services. We now plan to continue these improvements by investing a further £1 billion in our campus.

A NEW HUB FOR LEARNING

One of the most popular of our recent developments is our ultra-modern Alan Gilbert Learning Commons. This eye-catching, £24 million building is open all day and night and can accommodate more than 1,000 students. It is home to the most up-to-date IT facilities, a range of flexible learning spaces and a relaxing cafe area for breaks or meeting friends. Our students helped design the furniture, provided the artwork and defined the shape and use of the space by telling us exactly what they needed. The building is designed to the highest standards of sustainability.

THE UNIVERSITY OF MANCHESTER STUDENTS' UNION

The Students' Union is an organisation run by and for all students at the University. It is a base for student social life and plays a crucial role in the governance of the University. The Union has an elected International Students' Officer who represents the views of overseas students on campus. Inside the Union buildings there are cafes, venues for live music and entertainment and a student advice centre.

STUDENT SOCIETIES

The Union is the main organisational centre for around 180 student societies, which cater for a huge range of interests and hobbies, as well as representing a variety of nationalities, faiths and lifestyles.

Student societies form an important part of the British student experience. They are a great way to meet other students who share the same interests and many belong to several societies. The subject areas for our courses are also likely to have their own societies that organise social functions. If one of our students cannot find a society that matches their interests, then they can consider starting a new one themselves!

INTERNATIONAL SOCIETY

The International Society is an independent organisation that provides a warm and friendly welcome for students across several different universities and colleges in Manchester. The Society's office is based on our campus, opposite the Students' Union. Its members, many of whom have themselves experienced living away from their native country, aim to ensure students have a rewarding experience in the UK.

The Society organises trips around the UK, a wide range of activities (including classes to learn conversational skills in different languages) and social events throughout the year.

SUSTAINABILITY

We take sustainability seriously at Manchester, with a target of cutting the University's absolute carbon footprint by at least 40% by 2020 from a 2009 baseline of 85, 419 tonnes of CO₂.

Our award-winning environmental practices include comprehensive, cross-campus recycling facilities and the monitoring of energy usage. All new buildings are constructed to maximise efficiency, while campus shops and cafes stock Fairtrade products. The University bus route is now serviced by four brand new, state-of-the-art hybrid buses which switch off when stationary and travel in electric mode at low speeds.

CULTURE ON CAMPUS

- We aim to stimulate as well as educate, with cultural attractions open to students and the public alike.
- Manchester Museum – bringing ancient worlds to life and hosting a constantly rotating programme of exhibitions.
- John Rylands Library – home to one of the world's finest collections of rare books and manuscripts.
- Whitworth Art Gallery – one of the city's premier art spaces located in the nearby Whitworth Park (the Whitworth will be closed for a £12 million refurbishment between September 2013 and June 2014).
- The Martin Harris Centre for Music and Drama – a performance space for music, drama and other arts.
- Jodrell Bank Discovery Centre – on the site of the iconic Lovell Telescope in the beautiful Cheshire countryside, the centre offers a fun and engaging introduction to astronomy.

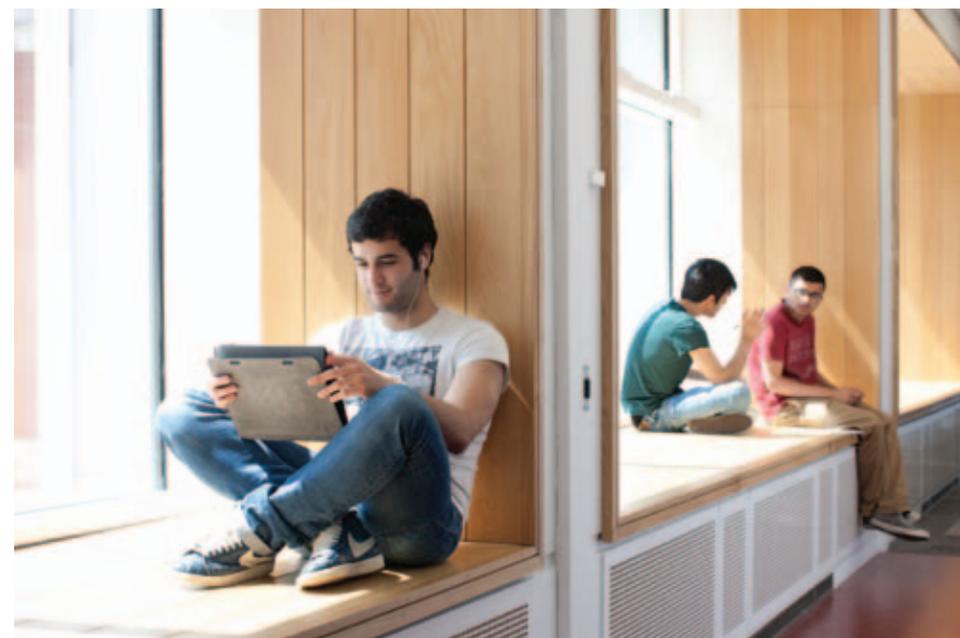
“What sets apart Manchester from any other world-class institution or city is its comfort and ease – it is the best alternative to London's hustle and bustle. It blends people from all walks of life from everywhere in the world, studying almost every degree one can fathom – and it works beautifully. The University does a fantastic job of balancing work and social life, which truly is the charm of this place.”

Shawkeen Siddiquey

BAEcon Business Studies and Economics

FIND OUT MORE

www.manchesterstudentsunion.com
www.internationalsociety.org.uk



THE CITY OF MANCHESTER



Manchester's unique character comes from its pioneering past; this is the place where the Industrial Revolution really took hold. The city grew dramatically in the 19th century on the wealth created by cotton, and its amazing Victorian civic buildings, mills and factories shout: 'This is Manchester. We have arrived.' But it is not all about industry. Manchester nurtures creativity and hosts international sporting events. Never content to live on past glories, this is a place that looks to the future with a passion for progress.

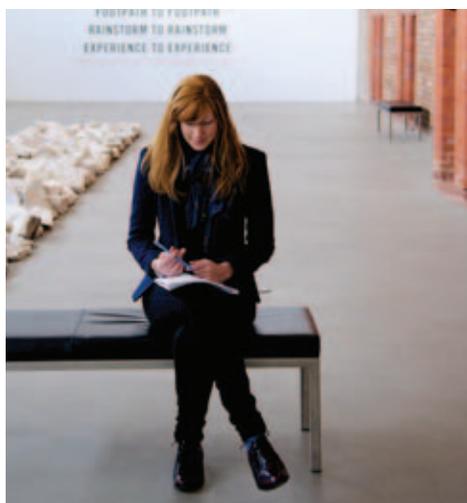
With events, facilities and attractions to suit every lifestyle, Manchester is lively, culturally diverse and easy to enjoy on a student budget. In fact, about a quarter of our students love it here so much they make it their home after they have finished their studies.

ART AND CULTURE

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

Classic and contemporary art is on show at the Manchester Art Gallery, while there are also smaller galleries to discover all over the city.

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



The Hallé and BBC Philharmonic orchestras both perform at the Bridgewater Hall. Leading chamber orchestra Manchester Camerata can also be seen there, as well as at the Royal Northern College of Music, which stages a diverse programme of music. Everything from opera to comedy to experimental theatre takes place at the Palace Theatre, the Royal Exchange, the Contact Theatre and The Lowry.

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



GETTING AROUND

The University of Manchester is right at the heart of this exciting city. The campus is just a short walk from the city centre. Although it is one of the largest cities in the UK, it is easy to get around. It has excellent public transport links including inexpensive buses, local trams and an extensive train network that will connect you connections to the rest of the UK.

BEYOND THE CITY

With a major international airport on our doorstep and excellent road and rail links with the rest of the UK, Manchester is the perfect base for exploring.

The national parks of the Peak District and the Lake District, along with the historic castles of North Wales, are all within easy reach, as are picturesque destinations such as Chester, York and Buxton. The North West coast is less than an hour away by train or car, offering the unspoiled beaches of Formby and the bright lights of Blackpool. Cities such as Liverpool and Leeds can be reached in about an hour, while the UK's capital London is just over two hours away, with direct rail services every 20 minutes from Manchester Piccadilly station.

Manchester International Airport is a hub for connections to many European and international cities, with daily flights arriving from 200 destinations.

"I have really enjoyed the different opportunities everywhere that are just waiting for me to go and take hold of them."

Jeffery Rahal
BSc Genetics

THE MANCHESTER EXPERIENCE

FOOD AND DRINK

Manchester has an excellent reputation for food and drink, serving cuisine from practically every nation and to suit any budget, from high-class dining to takeaways.

Local shops and markets close to our campus make it easy for international students to buy ingredients that they would use at home. Vegetarian, halal and kosher foods are affordable and widely available.

We have the UK's second biggest Chinatown, where a number of Asian supermarkets and great restaurants can be found. The famous 'Curry Mile' begins just outside the University campus. On this neon-lit street, countless restaurants sit alongside shops catering to the resident South Asian and Middle Eastern communities.

There is so much to choose from that many students are still discovering fabulous new places to eat when they graduate.

RELIGION AND FAITHS

Manchester is home to people of many religions and faiths, and there are places of worship for most religions across the city, as well as dedicated religious clubs and societies within the Students' Union.

SPORT

Manchester has long been famous for football thanks to Manchester United and Manchester City, two of the biggest names in world sport.

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

Our city is home to the victorious Team GB cycling team and Britain's first indoor Olympic cycling track at Sportcity, where major squash, tennis and netball events also take place.

Those who want to get involved can test the track at the Manchester Velodrome, learn to ski, snowboard or climb at the world's largest indoor ski slope, go swimming at the Manchester Aquatics Centre (built for the 2002 Commonwealth Games) or sign up for the annual Great Manchester Run, the UK's favourite 10k running event.

“I love living in Manchester because it is so diverse in terms of the food and culture you can get on your doorstep.”

Emily Hind
BSc Biology

FIND OUT MORE

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

SHOPPING

Manchester is a shopper's paradise. The second largest shopping centre in the UK, the Trafford Centre offers a wealth of shops and leisure choices under one roof. It is just a short bus ride away thanks to frequent public transport links.

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

For independent shops that offer something unique, the Northern Quarter is the place to go. Shops selling vintage clothing, music and art share streets with lively bars, cafes and restaurants.



ACCOMMODATION

UNIVERSITY GUARANTEE

Our international students, are guaranteed a place in a University-managed hall of residence for the full duration of their course, provided that they fulfil the following conditions:

- they are coming to the University alone;
- they have firmly accepted a place at the University;
- they have submitted an application for accommodation by 31 August.

In subsequent years of study, they need to reapply by the due deadline and for the full academic session. If students do not meet the conditions listed above, they are still welcome to apply for University accommodation but a room may not be immediately available.

AT HOME IN MANCHESTER

We do everything we can to help our students settle in and feel at home. Our huge range of student accommodation means we have something for everyone.

Living in University accommodation gives our international students security and their family back home peace of mind. The University manages over 8,100 rooms, offering a variety of types, costs and locations. Much of our accommodation is very near to the main University buildings and all of it is within two miles of campus.

HALLS AND FACILITIES

The range of halls and types of room is extensive: from modern self-catering flats through to traditional college-style catered halls of residence. Students are assured of their privacy as all rooms are single occupancy. Both single and mixed-sex accommodation is available, and there is the option of en-suite or shared bathroom facilities. The University offers specially adapted rooms for students with disabilities.

All rooms have internet connections. Facilities vary between halls, but many have their own social areas, libraries, music rooms and sports facilities.

FIND OUT MORE

www.manchester.ac.uk/accommodation

FEES

University accommodation represents great value for money. Residency fees cover Internet connection, personal possessions insurance and all utility services.

As an example, fees for 2014, based on a 40-week letting period, were:

- £99 per week for a single self-catering room with shared facilities;
- £125 per week for a single self-catering room with en-suite facilities;
- £130 per week for a single room with shared facilities in a catered hall;
- £130 per week for a single room in a single-sex hall.

Fees vary according to hall and/or room facilities. Please consult the Accommodation Office website for details of individual hall prices. Fees for the 2014/15 session, which may be subject to increase, will be set in April 2014.

FAMILY ACCOMMODATION

For students bringing their partner or family to Manchester, we offer a limited supply of family accommodation; from double rooms to two or three-bedroom flats. If we cannot provide them with the space they need, we can advise on how to find suitable accommodation elsewhere.

SAFETY AND SUPPORT

Student safety is one of our highest priorities. Security guards patrol 24 hours a day and cameras are located throughout the campus. Most halls have student swipe-card entry systems and each residence has a team of wardens and tutors that live within the hall to offer help and guidance.

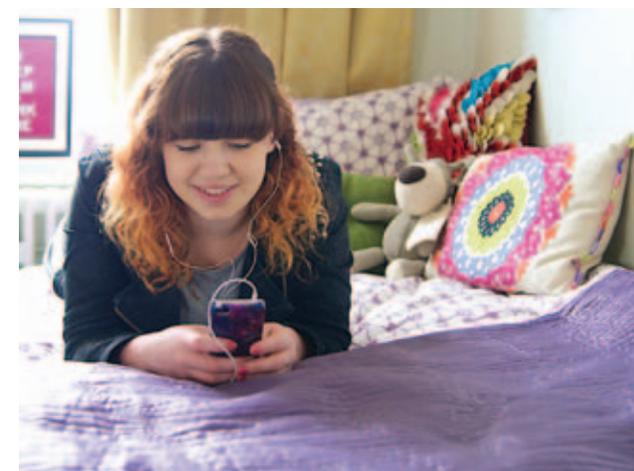
PRIVATE ACCOMMODATION

Manchester has a large supply of private rental accommodation in areas close to the University. Manchester Student Homes operates on behalf of the city's universities to help students find university-approved accommodation in the private sector, and it provides general housing advice and listings of available properties.

www.manchesterstudenthomes.com
manchesterstudenthomes@manchester.ac.uk

“Halls are a base camp for your big city adventure, a chance to meet new people and stage your own adventures, while still under the watchful eye of someone who, at least for now, knows better than you.”

Jacob Carr
Dalton Ellis Hall



SUPPORT

ORIENTATION

At the start of the academic year, we organise a comprehensive programme of events for new international students designed to introduce them to the practicalities of living and studying in Manchester. Activities include talks, workshops and social events where students can meet other new students and find out useful information about the University and the city of Manchester. Staff and current students will be on hand to answer any questions they have.

www.manchester.ac.uk/international/arrival/orientation

PERSONAL AND ACADEMIC TUTORS

All students are allocated a personal tutor who keeps an eye on their academic progress but also helps guide them in any matters where they have a concern. Students are also allocated academic tutors who deliver tutorials and help with questions relating to course material.

STUDENT SERVICES CENTRE

The Student Services Centre provides a single point of access to information and advice at the University. It enables our students to complete all their administrative transactions in one location. These include issues relating to tuition fees, student cards, scholarships and funding, examinations and graduation arrangements. There are also service points in the Joule Library and University Place.

www.manchester.ac.uk/ssc

We have nearly 40,000 students from 180 countries and, through our wide range of support services and teams, we make sure that every individual who comes here gets all the assistance they need.

We recognise that international students may have specific requirements and so we offer them additional help to make sure that their transition to living here is as smooth as possible.

BEFORE ARRIVAL

Studying with us may be a student's first experience of the UK so, to help them prepare for their arrival here, we send a step-by-step Arrival Guide, offering detailed advice. Pre-departure briefings delivered by University staff are also held in several countries providing guidance to students in making their preparations and answering questions and concerns.

UNIVERSITY SHUTTLE SERVICE TO RESIDENCES

The University runs a free coach shuttle service for new international and EU students between Manchester Airport and all University accommodation sites at the beginning of the academic year. Priority on the service is given to students who are arriving on their own.

FIND OUT MORE

www.manchester.ac.uk/international/support
www.manchester.ac.uk/international/arrival
www.manchester.ac.uk/ssc

“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 that rub off on its students.”

The Push Guide to Which University

INTERNATIONAL ADVICE TEAM

The University's designated immigration advisers, the International Advice Team (based in Student Services) is authorised to provide advice and assistance on Student immigration matters by the Office of the Immigration Services Commissioner. The team can also signpost students to other University services to help with problems relating to finance, accommodation, council tax, childcare and academic issues.

www.manchester.ac.uk/international/supportservices/advice

HEALTH CARE PROVISION

Students on courses that last for six months or longer qualify for NHS (National Health Service) treatment from the beginning of their stay on the same basis as anyone who is ordinarily resident in the UK. Every student is encouraged to register with a local doctor (known as a general practitioner or GP). We offer an occupational health service on campus where you can access help and advice on managing any health issues that may affect your ability to study. Additionally, the service provides details on access to local NHS GPs.

CHILDCARE

There are two nurseries associated with the University for children between six months and five years of age: Dryden Street Nursery and Echoes Nursery. Both nurseries are staffed with trained and experienced personnel.

RELIGIOUS SUPPORT

There are chaplains on campus for Anglican, Baptist, Methodist, United Reform and Roman Catholic Churches. Facilities are provided for Jewish worship and there are prayer facilities across campus for Muslim students, as part of the Sacred Spaces Project run by St Peter's House. There are also student societies for a wide range of religions who can provide support.

EXAMPLES OF OTHER SUPPORT SERVICES

The Counselling Service

The University Counselling Service provides free, confidential help, on an individual or group basis, to all students facing difficulties that are affecting their personal well-being or ability to work.

Disability Support Office

We welcome students with additional support needs as a result of a medical condition, disability or specific learning difficulty such as dyslexia or dyspraxia. Students are strongly advised to contact the office before departure. If they have any personal care needs, they will need to have sufficient funding to meet the cost of this support. They can contact the DSO for further advice.

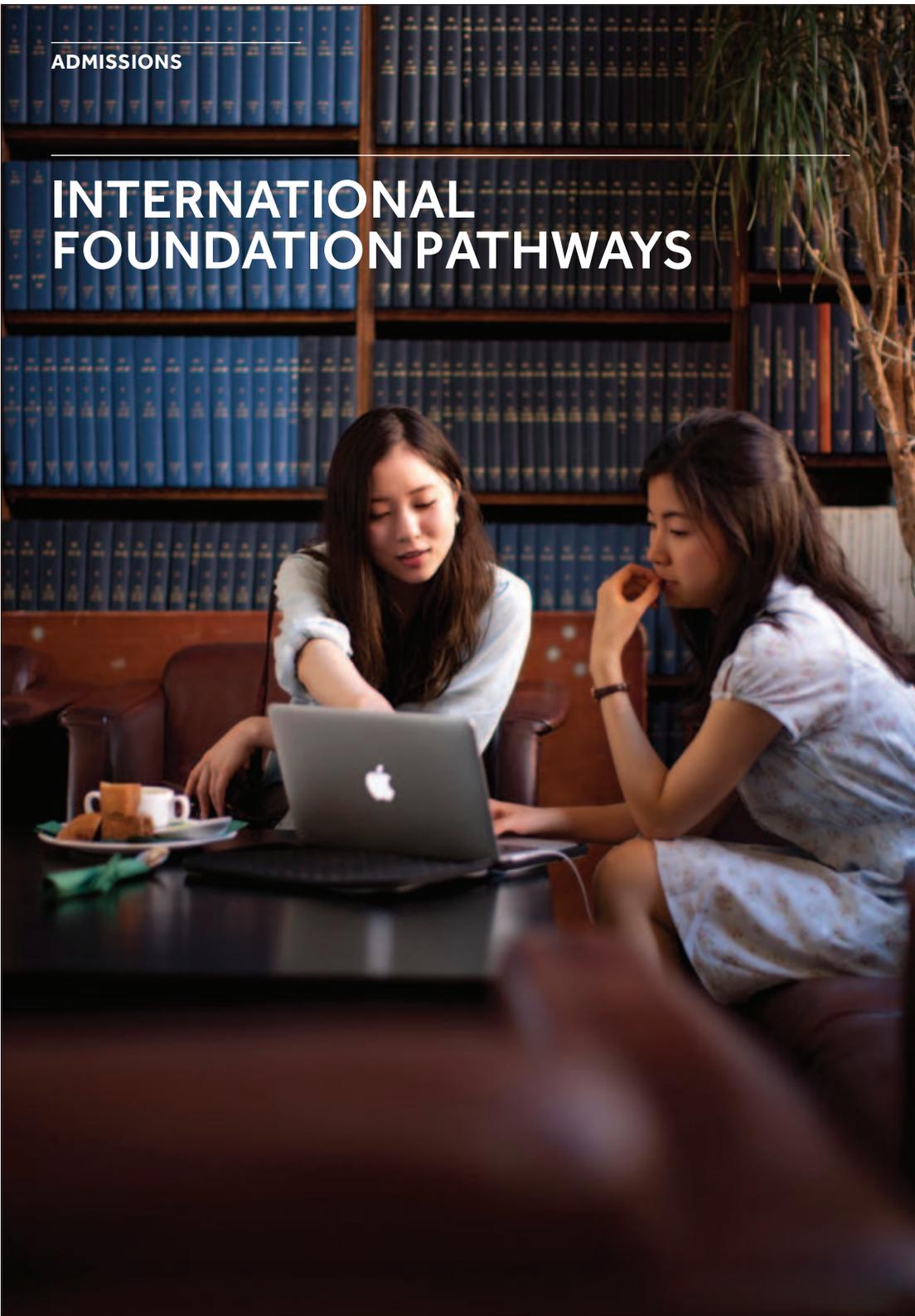
www.dso.manchester.ac.uk

ADMISSIONS

At Manchester we do all we can to help prospective students prepare for their time here. We will also make sure that they are supported throughout their studies, letting them focus on fulfilling their potential.



INTERNATIONAL FOUNDATION PATHWAYS



THE FOUNDATION YEAR

What is a foundation programme, and why are they needed?

Many international school systems are based on one year less at high school and one year more at university compared with the English system (see flowchart).

It is likely that students who have studied in a country with fewer than 13 years of school, and have not taken A-levels or the International Baccalaureate Diploma, will need to complete a foundation course before they enrol for a UK university degree. A foundation programme is a bridging course designed to equip students with the appropriate academic grounding for a UK degree. The foundation syllabus may also include additional English language teaching if candidates need to improve their proficiency (see page 34). At Manchester we offer integrated foundation programmes on campus for courses in science and engineering and at nearby Xaverian College for Life Sciences.

For details of foundation programmes offered by The University of Manchester in Science and Engineering and Life Sciences please see pages 74 and 87.

FIND OUT MORE

www.manchester.ac.uk/international/apply/foundationyear

INTO MANCHESTER

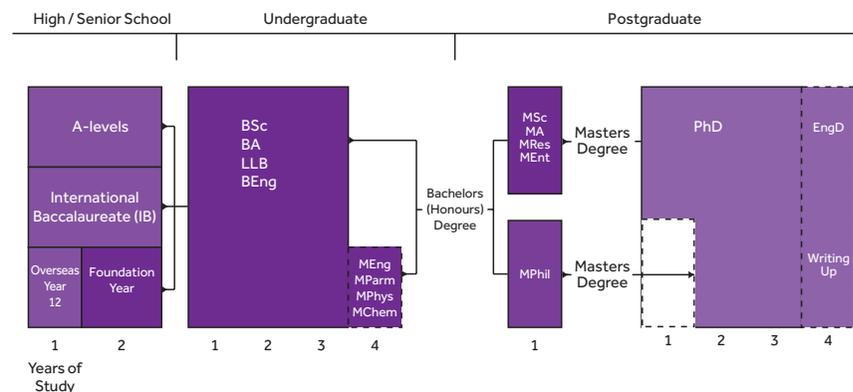
The University of Manchester validates an international foundation year offered in partnership with the INTO Manchester Centre. The course is designed to provide students with a guaranteed offer of progression (or in the case of biological sciences, an interview) on to a wide range of courses at the University. These include:

- Architecture
- Biological sciences, Biomedicine, Biochemistry, Genetics, etc. (guarantee is for a selection interview, not an offer to study)
- Business and Management (including Accounting and Finance)
- Chemistry
- Computer Science
- Earth, Atmospheric and Environmental Sciences
- Economics and Social Studies
- Engineering disciplines
- Law
- Mathematics
- Pharmacy
- Physics

Applications should be made directly to the INTO centre: www.into.uk.com/uom

We will also consider candidates from many other external foundation providers. To check whether a foundation course is recognised for a particular Manchester course, please contact: international@manchester.ac.uk

ENGLISH EDUCATION SYSTEM FLOWCHART



ENGLISH LANGUAGE REQUIREMENTS AND SUPPORT

ENGLISH LANGUAGE REQUIREMENTS

Most students who have not achieved a grade C or above in GCSE, IGCSE or O-level English will be required to demonstrate English proficiency through an approved testing system such as IELTS, TOEFL, Pearson, or Cambridge ESOL. These are internationally recognised assessments of English language proficiency, designed to determine the ability of non-native speakers of English who intend to study or train in English.

IELTS, for example, is accepted by most British, Australian, Canadian and New Zealand academic institutions. It is also accepted by many professional organisations, such as the UK's General Medical Council.

The University accepts some other testing systems from individual countries. Further information on these can be found by visiting the relevant country page on the international website (www.manchester.ac.uk/international/country) or by contacting the International Office at: international@manchester.ac.uk.



The table below shows some common English language tests accepted by The University of Manchester:

IELTS	TOEFL	Pearson	Cambridge ESOL	
	Internet based	PTE	CAE	CPE
7.5–9.0	109-120	74+	A	C
7.0	100	66-73	B	C
6.5	90	59-65	C	C
6.0	80	51-58	C	C
5.5	71	43-50	C	C

Please note that IELTS, TOEFL and Pearson scores only remain valid for two years. Students applying with a certificate gained over two years ago at the point that they start their course will need to retake the test.

Suitable testing centres in prospective students' home countries for IELTS or TOEFL can be found by contacting the local British Council office. Alternatively information can be found from the following websites: www.ielts.org / www.ets.org.

ENGLISH LANGUAGE SUPPORT

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

FIND OUT MORE

www.manchester.ac.uk/undergraduate/howtoapply/applying/internationalapplicants/englishlanguagesupport

www.manchester.ac.uk/langcert

FEES AND FINANCE

TUITION FEES

University tuition fees vary according to the type of subject and cover the cost of study at the University, as well as charges for registration, tuition, supervision, research consumables and equipment usage, examinations, and graduation. The payment of tuition fees also entitles students to have membership of the Library, the Students' Union and the Athletics Union.

In order to provide certainty in financial planning, the tuition fee payable each year is fixed for the duration of the programme.*

**Please note: this does not apply to clinical undergraduate programmes in Medicine and Dentistry, or to progression from our foundation year to a degree course.*

Standard annual tuition fees for new undergraduate international students for 2014/15 entry are:	
Arts-based courses	£14,000
Science-based courses	£18,000
Clinical-based courses	£32,000
Non-standard fees apply to many courses. For the specific tuition fees of individual course(s) prospective students should check the University website: www.manchester.ac.uk/undergraduate	

COST OF LIVING

Compared with other cities, Manchester is an affordable place to live, something prospective students should bear in mind when they start to plan their finances.

Estimated living costs 2014/15 40 weeks	
Accommodation (average cost for self-catering hall)	£4,850
Meals (based on a budget of £38.00 per week)	£1,520
Local transport	£535
Books and stationery	£410
Clothes (including provision of warm clothing and footwear)	£410
Other general living expenses (eg, photocopying and printing, laundry, phone calls, consumables, entertainment, sports, cooking equipment)	£1,550
TOTAL	£9,275
Note: This table presents approximate costs based on the 2014/15 academic year. Actual costs will depend on each individual's lifestyle and may rise in line with inflation.	

FUNDING

Students looking for scholarships or other financial assistance towards covering fees and living costs should start thinking about how to fund their studies as early as possible, as many funding agencies and scholarships have strict deadlines. Local British Council offices may be able to supply information in relation to funding opportunities. See www.educationuk.org.

Please note that it is a condition of most funding agencies that students should hold at least a provisional offer of a place to study at a University before applying for a scholarship. Adequate funding for the full cost of the first year of studies must be in place in order for international students to successfully complete the visa application process.

Some Schools at the University offer partial fee scholarships for their particular subject area. Consult the relevant School website for further details.

WORKING WHILE STUDYING

Undergraduate-level international students on a Tier 4 visa are currently permitted by law to work a maximum of 20 hours each week during term-time, with no limit during vacations.

There is a broad range of part-time job opportunities for students both on the University campus and in the wider Manchester community. Our Careers Service can assist students in making the most of these opportunities, with initiatives such as the Part-time Jobs Fair and 'International Talent', a scheme for students with language skills or international work experience.

However, students must not rely on part-time work to fund their studies. It is important for them to remember that they should already have enough money to pay for their tuition fees and living expenses for the duration of their studies without the need to take on part-time work.

Further information on working part-time is available on the Careers Service website: www.careers.manchester.ac.uk/students/

FIND OUT MORE

www.manchester.ac.uk/undergraduate/studentfinance/generalfinanceinformation/

www.campus.manchester.ac.uk/ssc/tuitionfees

HOW TO APPLY

ENTRY REQUIREMENTS

General entry requirements, outlined as A-level and International Baccalaureate requirements, can be found in the 'Our courses' section of this prospectus. These are provided as a guide only and prospective students should always refer to our website for more detailed and up-to-date information in the course listings.

We recognise many different qualifications from around the world. For details of academic requirements for individual countries, please visit: www.manchester.ac.uk/international/country

If a country is not listed or to check a qualification level please contact us by email: international@manchester.ac.uk

Please include as much detail as possible about the subjects studied and the examination grades achieved.

In addition to satisfying the general academic criteria prospective students will also need to demonstrate their English language proficiency. The IELTS level required is detailed under each subject section. For information on English language support and English language requirements please see pages 34 and 35.

Please note there may be additional requirements for some courses such as proof of competency in mathematics, health checks or specialist examinations such as aptitude tests. Prospective students are advised to check the website or with the academic school.

APPLYING FOR UNDERGRADUATE PROGRAMMES

Applications must be made through the Universities and Colleges Admissions Service (UCAS) at wwwucas.ac.uk. This applies to all students, home and overseas, applying to British universities. UCAS charges an application fee. For those applying to UCAS for entry in 2014, the application fee is £12 for a single choice and £23 for multiple choices. The UCAS code for The University of Manchester is: M20 MANU. The course code is listed next to the course name in the index starting on page 120.

WHEN TO APPLY

Prospective students can apply to UCAS from 1 September for entry in September the following year. For example, students applying to begin their studies in September 2014 can start their application procedure from 1 September 2013. We advise early application as some courses become full. The final deadline for international students is 30 June 2014. However, for prospective students wanting to apply for Medicine or Dentistry the closing date is 15 October the year before entry. If deadlines for applications are missed, don't worry, as applications for many courses can be made through either UCAS Extra, or clearing, although it is not possible to apply for Medicine or Dentistry courses after the 15 October deadline.

AFTER APPLYING

UCAS sends the applications to the University and they are passed to the admissions officer responsible for selecting students for their courses. Every application is considered very carefully and applicants will be notified by UCAS whether or not their application has been successful. Applicants can also track their application and make their decisions online via the UCAS Track facility on the UCAS website.

If an applicant is successful we will make them an offer. In some circumstances applicants may be invited to an interview first. The offer may be conditional (C) on future examination results or unconditional (U) if the entry requirements have already been met. After receiving the offer, the applicant should formally accept their place via UCAS. Applicants do not need to know their results to accept their offer. If an applicant has received an offer from us, they will also be sent information on how to apply for accommodation.

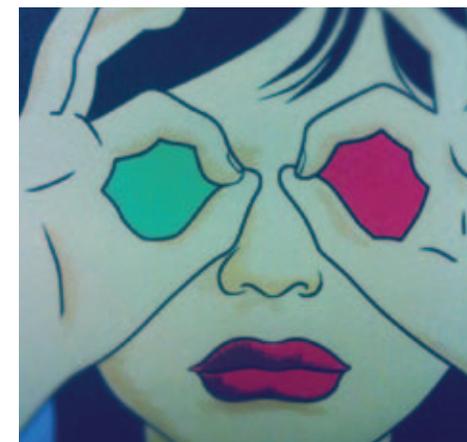
Prospective students should apply for accommodation as soon as possible after accepting their offer.

EDUCATIONAL ADVISORS

In some countries we have a network of educational advisors officially recognised by the University. They can assist in the preparation and submission of applications. To find out if we have an advisor in a particular country, visit the relevant country page in the international section of our website: www.manchester.ac.uk/international/country

VISITS TO COUNTRIES

University staff undertake regular visits overseas and are available for admissions advice and guidance. For more information, visit the International Office website: www.manchester.ac.uk/international/country



FIND OUT MORE

www.manchester.ac.uk/undergraduate
wwwucas.com

OUR COURSES

This section of the prospectus outlines the courses we offer, organised alphabetically. Use the course index on pages 120 to 126 to find the course you are interested in.

TYPES OF UNDERGRADUATE COURSE AVAILABLE AT MANCHESTER

Undergraduate courses normally take three years to complete, but can take four or five years if they include a year abroad or an industrial placement. After the first year, students can specialise as they progress through their studies according to their interests. Almost all Manchester courses are modular to enable students to choose a route that best matches their interests.

Types of degrees include:

- BSc (Bachelor of Science) – a science degree
- BA (Bachelor of Arts) – an arts degree
- BEng (Bachelor of Engineering) – an engineering degree (accredited by the Engineering Council)
- undergraduate masters degree (for example, MEng, MPharm) – an enhanced four-year undergraduate degree that includes additional subjects studied at a more advanced level

www.manchester.ac.uk/international

A BANK OF EXPERIENCES

“The modules here are really well constructed. They do not just teach you what is conventional, they prompt you to think more. The University values your opinions and your conclusions when it comes to grading. You learn to be more independent.”

Pei Ying Lim Economics and Finance student

The diversity of her course and the activities she enjoys outside of her course have helped Pei Ying develop independence and the ability to work effectively with others. A job back home with the Central Bank of Malaysia awaits her after her studies.

I was attracted to Manchester by its ranking and the prestige of its business courses. I like having the flexibility to study subjects that are not related to our degree. For example, in my first year I got to choose an international politics module, which was less mathematical than the finance and accounting modules. It teaches me how to think independently and come up with opinions regarding historical events or political events.

I think in Manchester I am more confident – it has pushed me outside of my comfort zone. Things are different: cultures are different, languages are different. It makes you have the courage to actually try things, not just to stick with your friends who come from your country. That is what I have learned most about: other people's cultures.

I love doing sports and when I came here I joined the fencing club. It really was the best experience of my university life. I got to travel to competitions and we meet fencers from different universities. In our team there were girls from France and Italy. We learned about each other's cultures and senses of humour. I felt a connection and it was really great.

Another thing I am involved in is the student ambassador role. We do campus tours when there are open days and when students want to visit the campus with their parents. We tell them about accommodation and what they should expect from a student perspective of university life. I also helped with a tour of the city. I showed people around Manchester and learnt a lot about the place. It's good to be able to contribute by giving something back to the University.

ACCOUNTING AND FINANCE

TYPICAL OFFER

A-level: AAA – AAB

IB: 35

Overall IELTS score of 6.5 (with no less than 6.0 in any component), or recognised equivalent

See also *Business Studies and Management, and Economic and Social Studies*

FIND OUT MORE...

BSc Accounting

www.mbs.ac.uk/ug/accounting

ug-mbs@manchester.ac.uk

Facebook: www.facebook.com/mbsincomingundergraduates

YouTube: www.youtube.com/manchestermbs

Twitter: @MBSnews

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

MBS virtual open day

Find out more about current students' experiences, our courses and our campus: go.mbs.ac.uk/virtualopenday

BA (Economic and Social Studies)

www.manchester.ac.uk/socialsciences

socialsciencesbaecon@manchester.ac.uk

Accounting and Finance at Manchester has an outstanding reputation, taught by staff whose research has been assessed as being either 'world leading' or 'internationally excellent' (RAE 2008). Many leading firms (including KPMG, Ernst & Young, Deloitte, PricewaterhouseCoopers and Grant Thornton) work closely with us, participating in key events and guest lectures to equip our students with the skills needed to excel in today's competitive marketplace.

The choice of course depends upon whether prospective students want our professionally oriented course (BSc), or prefer to study within a wider social sciences framework (BA Econ).

COURSE INFORMATION

Accounting (optional paid internship)
3/4yrs, UCAS code N400
Run by MBS

This innovative course provides a fast track to a career in accountancy, integrating study of the theory and practice of accounting with the opportunity to gain relevant work experience and enjoy substantial exemptions from professional accountancy exams (up to eight ICAEW ACA, seven ACCA and eight CIMA exams).

As part of the ICAEW's Undergraduate Partnership Programme, students can undertake a paid internship in Year 3 with firms such as KPMG, Ernst & Young, Mazars, Grant Thornton and Goldman Sachs. For further details, see: icaew.com/upp

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

BAEcon Accounting and Finance
3yrs, UCAS code NN43

BAEcon Economics and Finance
3yrs, UCAS code LN13

BAEcon Finance
3yrs, UCAS code N300
Run jointly by the School of Social Sciences and the Manchester Business School

This highly flexible course enables students to specialise in finance, accounting and finance, or economics and finance, against a social sciences background and to change their specialism during Years 1 and 2.

CAREER OPPORTUNITIES

Recent graduates have gained associate roles in audit assurance, corporate tax and mergers and acquisitions, local and central government roles and 'in-house' positions across a wide range of companies. Others have pursued further study in finance, asset management and investment at institutions across the globe. Employers of our accounting and finance graduates include all of the 'Big Four' – Ernst and Young, KPMG, Deloitte, PricewaterhouseCoopers – as well as Accenture, Grant Thornton, the BBC, BAE Systems and the Co-operative.

WHY MANCHESTER?

Ranked top 25 in the world for Accounting and Finance (QS 2013)

Excellent relations with professional and business communities in the city, many of whom work with us to inform learning

Access to diverse complementary subjects in our School of Social Sciences, or a specialist degree and fast-track to chartered accountancy at Manchester Business School (MBS)

AEROSPACE ENGINEERING

TYPICAL OFFER

A-level: AAA – AAB

IB: 37 – 35

Overall IELTS score of 6.0 (with no component less than 5.5), or recognised equivalent

See also *Engineering and Science with an Integrated Foundation Year*

FIND OUT MORE...

www.mace.manchester.ac.uk

ug-mace@manchester.ac.uk

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).

Today, all our engineering courses 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 our students access to expertise in a wide range of engineering disciplines.

All our Aerospace Engineering Honours degrees are accredited by the Royal Aeronautical Society, which means they are recognised as providing the educational base for the Chartered Engineer (MEng degree) or Incorporated Engineer (BEng degree). For details, see: www.mace.manchester.ac.uk/study/undergraduate/accreditation/

COURSE INFORMATION

Aerospace Engineering BEng
3yrs, UCAS code H400;

MEng
4yrs, UCAS code H402

The first year provides a taster of many different branches of engineering – studying Aerospace Engineering alongside mechanical engineering, electrical engineering and energy systems, as well as modelling and simulation, mechanics, heat, fluids, design and mathematics. The course is structured to allow students to change specialism at the end of the first year. In Years 2 and 3 in-depth study of areas such as aircraft design and performance, flight dynamics, aerodynamics, propulsion, structures and dynamics give an integrated view of vehicles and systems with reference to applicable sciences and technologies.

For students undertaking the MEng, skills and proficiency in specialist subject areas are developed and they undertake a major group design project that consolidates all previous experience and knowledge.

Aerospace Engineering with Management MEng
4yrs, UCAS code H4ND

This is an ideal course for those who would like a career as an engineering project manager. The focus shifts slightly away from technical engineering and more towards project administration and enterprise management plus project finance and risk management.

Aerospace Engineering with Industrial Experience MEng
5yrs, UCAS code H406

The mainstream MEng course is enhanced with one year of experience in the UK aerospace engineering industry, working on real projects and gaining invaluable experience as a practicing engineer.

CAREER OPPORTUNITIES

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

For graduates with either 'Management' or 'Industrial Experience', the combination of an engineering education and an awareness of business issues will increase the range of career options to include commercial and project management, as their engineering education is enhanced by hands-on experience, giving additional knowledge and skills that are attractive to employers.

WHY MANCHESTER?

Long, distinguished history in engineering education and research – Manchester was 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

ARCHAEOLOGY**TYPICAL OFFER**

A-level: ABB – BBB

IB: 34 – 31

Minimum IELTS score of 7.0, or recognised equivalent

For a detailed course listing and UCAS codes, see www.manchester.ac.uk/archaeology

WHY MANCHESTER?

Diverse, multidisciplinary environment where archaeologists can work alongside anthropologists, visual culture historians and ancient historians

On-campus resources of Manchester Museum and Whitworth Art Gallery

Teaching directly informed by contemporary research in areas including the UK, Ireland and western Europe, the Mediterranean, the Near East, Polynesia, Australia and Africa

Extensive training in fieldwork from archaeological digs to ethnographic research

FIND OUT MORE...

www.manchester.ac.uk/archaeology

ug-archae@manchester.ac.uk

CAREER OPPORTUNITIES

Many of our graduates have gone on to pursue careers in archaeology, history, museums, galleries and cultural resource management, or have pursued further study through Masters and PhD programmes. Others have found employment in law, education, financial services, industry, media and administration.

ARCHITECTURE

TYPICAL OFFER

A-level: AAA

IB: 37

Overall IELTS score of 6.5 (with no individual component below 5.5), or recognised equivalent

See also Planning and Environmental Management

FIND OUT MORE...

www.manchester.ac.uk/architecture

www.msa.ac.uk

seed.admissions@manchester.ac.uk

COURSE INFORMATION

Architecture BA
3yrs, UCAS code K100

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, students normally undertake a year of professional experience in an architectural office under the guidance of our School. This first experience of practice provides preparation for continuing architectural education should students choose to progress to the Master of Architecture.

WHY MANCHESTER?

One of the largest schools of Architecture in the UK, established via an innovative collaboration between the University of Manchester and Manchester Metropolitan University

Supported by strong relationships with industry, the profession and the RIBA

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

CAREER OPPORTUNITIES

Our graduates go on to work as architects for leading architectural and design practices, and in leading roles within the wider construction industry, or in aligned creative design disciplines. Excellent opportunities exist to undertake research for further postgraduate degrees.

ART HISTORY AND VISUAL STUDIES

TYPICAL OFFER

A-level: ABB – BBB

IB: 36 – 33

Overall IELTS score of 7.0, or recognised equivalent

Can be taken with a modern language. See also Archaeology and Modern Languages

FIND OUT MORE...

www.manchester.ac.uk/arts/arhistoryvisualstudies

ug-artist@manchester.ac.uk

For a detailed course listing and UCAS codes, see www.manchester.ac.uk/arts

CAREER OPPORTUNITIES

Many of our graduates work as curators or conservators in art galleries and museums, some of whom have taken the highly regarded MA in Art Gallery and Museum Studies. Quite a few have gone on to successful careers in the commercial art world and auction houses. Other professions include teachers, librarians, administrators, journalists and consultants working in areas related to the arts.

WHY MANCHESTER?

Dedicated resources include the Whitworth Art Gallery, Manchester Museum and the John Rylands Library special collections

Opportunities for volunteering and work placements at the Whitworth Art Gallery

Many courses include fieldwork trips, plus opportunities for study abroad in Europe, North America or Australia

Wide coverage of art and architectural history, from ancient Greece to modern and contemporary art, film, photography and performance

BIOLOGICAL SCIENCES AND BIOMEDICINE

See also
Life Sciences

BUSINESS STUDIES AND MANAGEMENT

TYPICAL OFFER

A-level: AAB

IB: 35

Overall IELTS score of 6.5 (with no less than 6.0 in any component), or recognised equivalent

See also Computing, Economic and Social Studies, and Modern Languages

FIND OUT MORE...

Management, IM, IMABS, IBFE and ITMB

www.mbs.ac.uk/undergraduate

ug-mbs@manchester.ac.uk

Facebook: www.facebook.com/mbsincomingundergraduates

YouTube: www.youtube.com/manchestermbs

Twitter: @MBSnews

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

MBS virtual open day

Find out more about current students' experiences, our courses and our campus: go.mbs.ac.uk/virtualopenday

Business Studies

www.manchester.ac.uk/socialsciences

baecon@manchester.ac.uk

At Manchester, our graduates are able to carry out independent enquiry in business, management and related subjects, and demonstrate a wide range of skills highly sought after by employers.

At Manchester Business School (MBS), our courses offer an applied approach to understanding business and management and the context in which they operate. Students will focus on the study of key disciplines, such as accounting and finance, economics, human resources, marketing, operations management and quantitative methods.

Prospective students 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 a specialist course in accounting: a fast track for aspiring chartered accountants (see *Accounting and Finance*).

Our BA (Econ) Business Studies courses incorporate similar knowledge to our management courses, but focus more on understanding business from a social science perspective, drawing on discipline areas such as economics, politics and sociology.

The BA (Economic and Social Studies) is a multidisciplinary course designed to give maximum flexibility and choice. Students can specialise in business studies, or combine it with other social science disciplines, such as economics, politics, or sociology (see *Economic and Social Studies*).

COURSE INFORMATION

International Business, Finance and Economics (IBFE) BSc
3yrs, UCAS code N1N3
Run by MBS

Those interested in contemporary economic events will gain a sophisticated academic understanding of international business, with a contextual understanding of globalisation's reach and its social and economic effects, and the numerical and literacy skills required in today's job market.

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

Management / Management (Specialism)
Run by MBS

Students will enjoy a flexible course structure and wide range of options. These courses share a common first year, making transfer between them straightforward, so prospective students should apply for only one of them.

Management BSc
3yrs, UCAS code N201

Our most flexible general management degree.

Management (Accounting and Finance) BSc
3yrs, UCAS code NN24

Learn how organisations finance their activities and how they keep track of their money.

Management (Human Resources) BSc
3yrs, UCAS code N600

Focus on human resource management, employment policy and practice, industrial relations, organisational psychology and organisational analysis, both within the UK and internationally.

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

Explore strategic innovation management and sustainable development through real company case study analysis, as well as entrepreneurship and small business development.

Management (International Business Economics) BSc
3yrs, UCAS code N246

Learn about the international dimension of organisations' operations, particularly the economic, financial and investment aspects.

Management (International Studies) BSc
3yrs, UCAS code N120

Study marketing, operations, finance and investment, or human resource management with an international focus.

Management (Marketing) BSc
3yrs, UCAS code N2N5

Focus on strategic marketing management, marketing research, product development, brand management, integrated marketing communications and/or retailing.

Find out more...
www.mbs.ac.uk/ug/management

International Management (IM) BSc
4yrs, UCAS code N247

International Management with American Business Studies (IMABS) BSc
4yrs, UCAS code N2T7
Run by MBS

With 28 exchange partners across 16 countries, the IM course provides the chance to study (in English) for a year at a university or business school in Europe, Hong Kong, Singapore, Australia, or New Zealand.

Alternatively, students can spend a year in the USA or Canada on our IMABS course. We have 22 exchange partners across 11 US states and four Canadian provinces; many feature in the *Financial Times* global business school rankings top 100.

Information Technology Management for Business (ITMB) BSc
3yrs, UCAS code GN51

Information Technology Management for Business with Industrial Experience (ITMBIE) BSc
4yrs, UCAS code GN5C
Run by MBS

Designed in collaboration with over 60 major employers (including IBM, Deloitte, Fujitsu, Unilever and the BBC), ITMB graduates understand both business and IT, and have excellent project and team-working skills. Employer involvement is integral, giving students early exposure to real business problems.

Students focus equally on four major areas: business; technology; personal and interpersonal skills; and project management. Learning is primarily through team-based project work, supported by business mentors.

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

BA (Econ) Business Studies

3yrs, UCAS code N100
Run by the School of Social Sciences, with input from the Manchester Business School

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

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

Our Business Studies streams within the BA (Econ) help students 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) – provides students with the practical knowledge and skills relevant to a career in business, as well as an understanding of the role and operation of business organisations in relation to the broader economic, political and social environment.

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 leading specialists' research activities, and by close links with industry and employers

CAREER OPPORTUNITIES

Recent graduates have gone on to careers in management, consultancy, the civil service, finance, journalism, teaching and other corporate and public sector settings. Jobs secured include technical, business and wealth analyst, social media marketing intern, IT consultant, territory manager and ACA trainee. Others have pursued further study in business, economics, enterprise, languages and branding at institutions across the globe. Employers of our business and management graduates include Credit Suisse, eBay, Accenture, IBM, ExxonMobil, HSBC (Beverly Hills), Bombardier (Sweden), Crown Worldwide (San Francisco), Google, Deloitte, Diageo, KPMG, Balfour Beatty, Tesco, Deutsche Bank, Microsoft, RBS, Zolfo Cooper, Grant Thornton and PricewaterhouseCoopers.

CHEMICAL ENGINEERING

TYPICAL OFFER

A-level: AAA

IB: 37

Overall IELTS score of at least 6.0 (with at least 5.5 in each component), or recognised equivalent

See also *Aerospace Engineering, Chemistry, Civil Engineering, Electrical and Electronic Engineering, Engineering and Science with an Integrated Foundation Year, Mechanical Engineering, and Petroleum Engineering*

FIND OUT MORE...

www.manchester.ac.uk/ceas

ug-ceas@manchester.ac.uk

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.

COURSE INFORMATION**All courses**

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

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. Students learn about chemical, physical and biological processes using mathematical equations, as well as about the equipment and techniques used for large-scale manufacturing and the safety issues surrounding the industry. Students choosing the MEng degree study further options in their chosen specialism as well as core chemical engineering.

Our flexible courses allow students to find out what interests them and what they are best at before they choose their specialist subjects.

Chemical Engineering BEng
3yrs, UCAS code H800

Chemical Engineering MEng
4yrs, UCAS code H801

Studying advanced chemical engineering options to gain a deeper understanding of fundamental Chemical Engineering subjects.

Chemical Engineering (Business Management) MEng
4yrs, UCAS code HN82

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

Chemical Engineering (Energy and Environment) MEng
4yrs, UCAS code H8F4

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. Studying specialist units related to energy, including energy systems, wastewater engineering technology and utility systems, distributed and renewable energy systems, and the nuclear fuel cycle, students graduate with a solid background in core chemical engineering and with additional expertise in a topic of major significance to the 21st century.

Chemical Engineering with Biotechnology MEng 4yrs, UCAS code H8C5

Considering the science of living organisms and systems and how they are translated into economic and safe products and processes, for example, 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, MEng 4yrs, UCAS code H8F1

Finding 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. Gaining an understanding of processes from the molecular level up to industrial scale.

Chemical Engineering with Environmental Technology MEng 4yrs, UCAS code H8F8

Exploring 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 MEng 4yrs, UCAS code H803

Year 3 is spent in industry with the individual content of a placement depending on the company each student is with. We have excellent industry contacts and will give students a lot of help finding a placement in companies such as AstraZeneca, British Sugar, BP, ICI Paint, Chevron Texaco, Kraft Foods, Schlumberger, Dupont, Syngenta, BNFL and Exxon Mobil.

WHY MANCHESTER?

Manchester is the birthplace of chemical engineering as an academic discipline, with a distinguished history

Reputation as a world leader in industrially relevant research and teaching in chemical engineering and related subjects

Leading employers in industry and business would rather recruit our engineering graduates than any others (National Signposts for Employability survey)

Among the elite of UK chemical engineering departments, with excellent results in the most recent Research Assessment Exercise (RAE 2008)

We have the newest chemical engineering facilities in the country with the opening of our £15 million building in 2012.

Chemical Engineering with Study in Europe MEng 4yrs, UCAS code H810

Students can benefit from language tuition in French, German, or Spanish during Year 2. They take a year abroad in France, Germany, or Spain, attending lectures and tutorials, participating in group work, writing reports and taking examinations in the local language.

CAREER OPPORTUNITIES

Our graduates pursue careers in industry as design engineers, consultants or managers; others choose to undertake research and development of new products and processes. Fields open to them are as diverse as food and drink, chemicals, oil, gas and petrochemicals, pharmaceuticals, toiletries, energy generation and disposal of waste.

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

Specialists in biotechnology are particularly sought after in the fields of health care, 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 for careers in finance, consulting and marketing.

CHEMISTRY

TYPICAL OFFER

A-level: AAA – ABB

IB: 36 – 34

Minimum IELTS score of 6.0 overall (with no less than 5.5 in any component), or recognised equivalent

See also Aerospace Engineering, Chemical Engineering, Civil Engineering, Electrical and Electronic Engineering, Engineering and Science with an Integrated Foundation Year, Mechanical Engineering, and Petroleum Engineering

FIND OUT MORE...

www.manchester.ac.uk/chemistry

ug.chem@manchester.ac.uk

Chemistry students at Manchester meet, work with and are taught by internationally acclaimed chemists in a facilities-rich building. The School is continuing its long and illustrious contribution to the subject, and we are currently one of the largest schools of Chemistry in the UK. Our 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, medicine and other physical and applied sciences. We offer multidisciplinary MChem courses that combine chemistry with other areas, such as forensic and analytical science, medicinal chemistry, industrial experience and international study.

We also have BSc courses in Chemistry and in Medicinal Chemistry. We offer a wide range of undergraduate research projects: everything from enzymatic reactions to single molecule magnets, from plasma clean-up of diesel exhaust to fabrication of nanoparticles, from analysing the complex chemistry of living systems to synthesising natural products, takes place at Manchester.

COURSE INFORMATION

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 International Study (MChem)
4yrs, UCAS code F104

Chemistry with Medicinal Chemistry BSc
3yrs, UCAS code F150

Chemistry with Medicinal Chemistry MChem
4yrs, UCAS code F152

Students can choose 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, stereochemistry and heterocyclic chemistry, structure and bonding, s, p, d and f block chemistry, interfaces, materials and biological chemistry. Other course units cover a range of transferable skills, including presentational, quantitative, computer and IT skills. Finally, students can take subsidiary course units in other subjects.

CAREER OPPORTUNITIES

Because our Chemistry graduates are skilled in scientific methodology and are numerate, versatile and creative, they are attractive to employers from a range of sectors. Around half of our graduates get a first job directly using their chemical knowledge; 25% go on to a further degree; and the remaining 25% opt for diverse careers in such areas as finance, management, computing and IT.

The University of Manchester currently tops the list of the annual poll of employers' preferred sources of graduates, outperforming all other UK universities. Our School works closely with the University's

WHY MANCHESTER?

One of Britain's largest and most respected schools of Chemistry, with top ratings for both teaching and research

Extensive links with industry and internal multidisciplinary links that inform and improve our courses

Internationally renowned research covering the full spectrum of chemical activity, ensuring courses based on the latest knowledge

£35 million investment over the past five years to build dedicated, advanced facilities

Rated in the top four in research power in the latest Research Assessment Exercise

Rated the top English university outside Oxbridge and London in the 2012 Times HE World Rankings

Proud history since 1825, with seven Chemistry Nobel Prize winners

Guaranteed accommodation for all first years

Careers Service to help students gain further skills to complement their degree and explore the job market.

For a university with a world-class reputation for teaching and research, which is better respected by employers than any other, Manchester is the right choice.

See also Modern Languages, Linguistics and English Language, and Business and Management

CHINESE

CIVIL ENGINEERING

TYPICAL OFFER

A-level: AAA – AAB

IB: 37 – 35

Overall IELTS score of 6.0 (with no component less than 5.5), or recognised equivalent

See also Engineering and Science with a Foundation Year

FIND OUT MORE...

www.mace.manchester.ac.uk

ug-mace@manchester.ac.uk

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).

Today, all our engineering degrees 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 access to expertise in a wide range of engineering disciplines.

RELEVANT, UP-TO-DATE TEACHING

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

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.

Students undertake one major research project in Year 3. MEng students also undertake a group design project with joint supervision from industry. These projects reflect current knowledge and relevant industrial practice.

PROFESSIONAL ACCREDITATION

All our Civil Engineering courses fulfil the requirements of the Engineering Council UK and are accredited by the Institution of Civil Engineers and Institution of Structural Engineers through the Joint Board of Moderators.

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

COURSE INFORMATION

All courses contain the same core civil engineering subjects. Our MEng courses offer the opportunity to develop specialised understanding and skills in different areas of interest.

Civil Engineering BEng
3yrs, UCAS code H200;

MEng
4yrs, UCAS code H201

Students discover civil engineering through studying subjects such as maths, mechanics, computation, construction materials, structures and geotechnics, and engineering design and management. In Year 2 students attend a residential field course in the Lake District to practise surveying and civil engineering design. Specialist knowledge is further developed in Year 3 in subjects including structural analysis and design, geotechnics, hydraulics, construction materials and management and a year-long individual research project is undertaken.

Students taking the four year MEng course go on to develop design skills in a realistic environment through a group project, jointly supervised by an industrial collaborator.

Civil Engineering (Enterprise) MEng
4yrs, UCAS code H204

Students are trained to become world-class engineers who understand the fundamental principles underpinning the science of engineering, but who can also apply that knowledge within the broader context of the modern business environment.

Civil and Structural Engineering MEng
4yrs, UCAS code H220

This course is ideal 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, core units cover the same subjects as our Civil Engineering degree, thus satisfying academic requirements for entry to the Institution of Civil Engineers and the Institution of Structural Engineers.

Civil Engineering with Industrial Experience MEng
5yrs, UCAS code H207

Students take our standard MEng course plus a structured placement in Year 4 within the UK civil, structural engineering, or construction industry, to develop experience. As well as local supervision, students have support from our University's network and an individual tutor who visits them at their workplace. Work on a range of real civil and structural engineering projects, gaining valuable experience as a practising engineer.

WHY MANCHESTER?

Long, distinguished history in engineering education and research – Manchester was the first English university to offer an engineering degree

Extensive engineering industry links, enhancing both undergraduate teaching and ground-breaking research

Professional accreditation by relevant UK institutions

CAREER OPPORTUNITIES

Our 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 our graduates the ability to analyse and solve complex problems by a rigorous approach, and to communicate the results effectively. Graduates find employment in areas, such as computing, law, insurance, production engineering, the oil industry, retail management, environmental work and property development.

CLASSICS AND ANCIENT HISTORY

TYPICAL OFFER

A-level: ABB – BBB

IB: 34 – 31

Minimum IELTS score of 7.0 or equivalent, or recognised equivalent

See also Archaeology

WHY MANCHESTER?

One of the largest concentrations of classics and ancient history experts of any university in the UK, and a wide variety of courses

Exceptional teaching quality and research of international standing

One of the largest library collections of classics-related material in the UK

World class collections of papyri and ancient manuscripts in the John Rylands Library

Wide range of ancient world material in Manchester Museum

FIND OUT MORE...

For a detailed course listing and UCAS codes, see www.manchester.ac.uk/alc

www.manchester.ac.uk/arts
ug-classics@manchester.ac.uk

CAREER OPPORTUNITIES

A classical degree is very attractive to 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.

COMPUTER SCIENCE

TYPICAL OFFER

BSc programmes

A-level: AAB

IB: 35

Overall IELTS score of 6.0 (with no lower than 5.5 in any component), or recognised equivalent

Please note that all courses except for Internet Computing and Computing for Business Applications require A-level Mathematics or equivalent.

MEng programmes:

A-level: A*AA

IB: 38 (including A-level Mathematics or Mathematics at the Higher Level)

Overall IELTS score of 6 (with no lower than 5.5 in any component), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/cs

ug.comp.sci@manchester.ac.uk

Computing is transforming our world, changing the way we work and play, and redefining fields of human endeavour as diverse as health care, 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.

Collaborations across the University, an entrepreneurial culture and extensive industry links inform our undergraduate degrees and ensure that what is learnt 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 students to specialise across the discipline. We also aim for maximum flexibility, so students can tailor their course to their interests and career aspirations as their experience of the subject develops.

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.

COURSE INFORMATION

Computer Science BSc
3yrs, UCAS code G400

MEng
4yrs, UCAS code G401

BSc
4yrs with Industrial Experience,
UCAS code G405

MEng
5yrs with Industrial Experience
UCAS code I100

Students get 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, on this our most popular and flexible course. To help with the choice of course units, we organise them into 'themes' that focus studies and project work, letting students specialise in areas such as web and distributed systems, computer architecture, visual computing and information systems in business.

Software Engineering BSc
3yrs, UCAS code GG6K

MEng
4yrs, UCAS code GG64

BSc
4yrs with Industrial Experience,
UCAS code G603

MEng
5yrs with Industrial Experience
UCAS code I300

As computer systems become ever larger and more complex, the problems of developing and maintaining them become more significant. Students gain 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. Topics relating to the software lifecycle are covered, 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 BSc
3yrs, UCAS code G700

MEng
4yrs, UCAS code G702

BSc
4yrs with Industrial Experience
UCAS code G701

MEng
5yrs with Industrial Experience
UCAS code G703

Extend the study of general principles and practice of computer systems and software development, with the chance to examine some techniques of artificial intelligence. 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 BEng
3yrs, UCAS code HH66

MEng
4yrs, UCAS code GH4P

BEng
4yrs with Industrial Experience,
UCAS code HHQ6

MEng
5yrs with Industrial Experience
UCAS code H650

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

Computing for Business Applications BSc
3yrs, UCAS code G510

BSc
4yrs with Industrial Experience,
UCAS code G511

Modern organisations are heavily dependent on IT systems, ranging from applications such as financial management packages, to sophisticated decision support and knowledge management tools. Students gain 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. They examine the way in which IT systems interact with other parts of an organisation and develop the skills to use this knowledge to design effective software systems.

Internet Computing BSc
3yrs, UCAS code G450

BSc
4yrs with Industrial Experience,
UCAS code G451

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. Students gain knowledge and understanding of the architecture and design of web-based systems and web development tools. They develop 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 BSc
3yrs, UCAS code G4N2

BSc
4yrs with Industrial Experience,
UCAS code GNK41

Our students enjoy the opportunity to build an understanding of the general principles and practice of computer systems and software development, while also studying in Manchester Business School to develop an understanding of the nature of business and management roles and practices.

Computer Science and Mathematics BSc
3yrs, UCAS code GG14

BSc
4yrs with Industrial Experience,
UCAS code GC41

Students develop a powerful combination of mathematical and computer science skills in a course run jointly with our School of Mathematics. In particular, students 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.

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 across Engineering and Physical Sciences

Entrepreneurial culture, enabling close relationships with industry

Knowledge, principles and transferable skills necessary for rewarding careers in technology and related disciplines

CAREER OPPORTUNITIES

Significant employment opportunities exist in the traditional IT industry, but our 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. Graduates work in virtually all areas of business and society, including finance, films and games, pharmaceuticals, health care, 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, industry 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.

DENTISTRY AND ORAL HEALTH SCIENCES

TYPICAL OFFER

Due to the detailed nature of entry requirements for Dentistry, we are unable to include a typical offer in the prospectus. For complete and up-to-date information on our entry requirements, visit our website: www.manchester.ac.uk/dentistry/undergraduate

FIND OUT MORE...

www.manchester.ac.uk/dentistry

ug.dentistry@manchester.ac.uk

COURSE INFORMATION

BDS (Bachelor of Dental Surgery) in Dental Surgery
5yrs, UCAS code A206

The subjects taught in all UK dental schools are controlled by the General Dental Council. Their document 'Preparing for Practice – Dental team learning outcomes for registration' gives details on what is covered in the BDS programme.

WHY MANCHESTER?

Distinguished reputation in dentistry, long established since 1884

Choice of the BDS, allowing graduates to practise as a dentist

Extensive experience in outreach community clinics, allowing students to treat patients regularly and experience clinical dentistry in a 'real world' environment

Please note that the government restricts international places on dentistry courses across the UK. The School can therefore only offer around four places per year to international (non-EU) applicants. International students cannot apply for the BSc in Oral Health Sciences. Holders of the BDS qualification can register with the General Dental Council. Candidates will need to have studied A-levels or IB.

CAREER OPPORTUNITIES

BDS graduates 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 further training and specialisation is needed. The qualification is recognised throughout the European Union and in many other countries.

DRAMA

TYPICAL OFFER

A-level: AAB – BBB

IB: 35

Overall IELTS score of 7.0
(with a minimum of 6.5 in
each component), or
recognised equivalent

See also *English Literature
and American Studies*

WHY MANCHESTER?

Established tradition at one
of the first UK universities to
teach drama

£6 million 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

FIND OUT MORE...

www.manchester.ac.uk/drama

ug-drama@manchester.ac.uk

CAREER OPPORTUNITIES

The skills acquired in drama not only give students a deep knowledge of the field of theatre, performance and screen but the way that drama is taught means that students excel at team work and any situations where cooperative skills are required. In addition students tend to be strong confident communicators in a range of spoken and written media with the ability to take the initiative in many tasks. A wide variety of career opportunities are open to our Drama graduates including work in theatre, film and television, applied theatre, journalism and publishing, teaching and research, community arts and arts administration.

EARTH SCIENCES

TYPICAL OFFER

A-level: AAB – ABB

IB: 35 – 33

Overall IELTS score of 6.5
(with a minimum of 6.0 in any
component), or recognised
equivalent

FIND OUT MORE...

www.manchester.ac.uk/seaes

ug-earth-sci@manchester.ac.uk

The Earth Sciences are concerned with the composition, behaviour and history of the Earth and other planets integrating and applying different scientific disciplines to many phenomena that affect our daily lives. Earth scientists study natural hazards (earthquakes, 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 short and long-term climatic change.

COURSE INFORMATION

Earth Sciences MEarthSci
4yrs, UCAS code F640
*Accredited by the Geological
Society of London*

Students can follow a Geology, Environmental and Resource Geology, Geochemistry, or Planetary Geology pathway through the earlier years of the course. In Year 4, Masters-level taught course units and research projects are undertaken, working with staff at the cutting edge of scientific research, often leading to published scientific articles. Students have the option to study abroad for one semester.

**Environmental and Resource
Geology BSc**
3yrs, UCAS code F630
*Accredited by the Geological
Society of London*

Alongside gaining a solid understanding of earth sciences, students focus on exploration for earth resources and the environmental impact of their extraction, along with the safe disposal of any waste products.

Geochemistry BSc
3yrs, UCAS code F670
*Accredited by the Geological
Society of London*

This course is ideal for students with a good background in physical sciences and who are particularly interested in the chemistry of natural systems and their evolution through time. Geochemical methods are applied to a vast range of problems, from the origin of the solar system to polluted groundwater.

Geography and Geology BSc
3yrs, UCAS code FF68

This course is ideal for students who have a strong interest in physical geography and geology and wish to focus on natural processes at the Earth's surface. This course is run between our School of Earth, Atmospheric and Environmental Sciences and School of Environment and Development. Students may attend field courses run by both Schools.

Geography and Geology with a Year Abroad BSc 4yrs, UCAS code FF86

Students have the opportunity to spend a year abroad at one of our prestigious partner universities. We offer a substantial fee reduction for the year spent abroad.

Geology BSc 3yrs, UCAS code F600 *Accredited by the Geological Society of London*

Students gain a solid grounding in all areas of earth sciences, including plate tectonics, the origin of rocks and minerals, evolution of life on Earth, earth resources, geophysics and geological mapping during this three-year degree.

Geology with Planetary Science BSc 3yrs, UCAS code F6F5

MEarthSci Geology with Planetary Science BSc 4yrs, UCAS code F6FM

Planetary scientists study the origin and evolution of the planets and the other bodies in the solar system. They integrate ideas from diverse fields such as geosciences, physics, chemistry and astronomy to understand data from our exploration of the solar system or analysis of extraterrestrial materials.

WHY MANCHESTER?

One of the UK's largest centres for earth and environmental teaching

Diverse and exciting fieldwork opportunities, subsidised by the University

Opportunities to gain industrial experience through our strong links with industry

FIELDWORK AND PLACEMENTS

Fieldwork is integral to our degrees allowing our students to apply skills learnt in lectures and laboratories to real settings. All tutor-led courses are heavily subsidised. Many students undertake independent fieldwork during the summer between their second and third years, traveling to places such as Spain, Ireland or Brazil. Students also have opportunities to gain industrial experience in areas from oil exploration to site investigation of contaminated land.

Find out more information about these degrees at www.seaes.manchester.ac.uk/study/undergraduates/undergraduate-courses/

CAREER OPPORTUNITIES

Career paths for geologists or earth scientists are extremely varied. They could end up prospecting for diamonds in Suriname, or work as an exploration geologist in the oil and gas sector, or in water and environmental fields or as a government geological surveyor. Around 40% of our students go on to study for further degrees and nearly 80% of our 2010 graduates surveyed were in full-time employment or studying for further degrees six months after graduating (Destination of Leavers from Higher Education survey).

For more information on how Manchester supports students to find employment after graduation, go to our website: www.seaes.manchester.ac.uk/study/careersandemployability/careerswithgeology/andearthsciences/

ECONOMICS

TYPICAL OFFER

A-level: AAB

IB: 35

Plus GCSE English grade C or an overall IELTS score of 6.5 (no element lower than 6.0), or recognised equivalent

See also Economic and Social Studies, and History

FIND OUT MORE...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk

The study of economics is crucial to understanding the world around us. A glance at the news reveals that many important issues facing societies across the world 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 60.

COURSE INFORMATION

Economics BEconSc 3yrs, UCAS code L102

This is a small, specialist Economics degree designed to provide specialist training and knowledge in the study of economics. The course has a strong quantitative (mathematics and statistics) core and covers the core elements of microeconomics and macroeconomics. Students 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. Half of the course units cover core material. Students can choose their remaining units from a wide range of options, including development economics, environmental economics, finance and mathematics, allowing them to pursue their own additional interests.

At graduation, their chosen course units (in the final year) combine to give a degree specialisation in one of the following:

- Economics
- Econometrics and Mathematical Economics
- Financial Economics

Economics BA (Econ) 3yrs, UCAS code L100

This degree enables students to take a broad variety of subjects across the social sciences (including economics) in the first year. They can then specialise in economics, or combine it with other subjects such as Finance, Politics, Business Studies, Sociology and Philosophy.

CAREER OPPORTUNITIES

Our graduates have pursued successful careers both in the public and private sectors, in a wide range of national and international organisations such as JP MorganChase, KPMG, PricewaterhouseCoopers, and the UK's Department of Health and National Health Service. A high proportion of BEconSc graduates take advantage of their specialised knowledge by going on to further postgraduate study in economics and related areas.

WHY MANCHESTER?

Long, distinguished history in economics, with a Chair in Political Economy founded at Manchester in 1854

80% of our research is 'internationally excellent' or 'world leading'

BEconSc graduates in UK top ten for graduate salaries

Nearly 60 full-time academic staff, with a significant diversity in research interests, which results in an extensive choice of course units

ECONOMIC AND SOCIAL STUDIES

TYPICAL OFFER

A-level: AAB

IB: 35

Overall IELTS score of 6.5 (with no less than 6.0 in any component), or recognised equivalent

See also Accounting and Finance, Business Studies and Management, Economics, Philosophy, Politics and International Relations, Social Anthropology, and Sociology

FIND OUT MORE...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk

EXTENSIVE CHOICE

Not everyone knows which areas they want to focus on when they start at university. We have therefore structured our course so that students do not have to decide which subject(s) they will study in most depth when they apply; instead, they take these crucial decisions as they progress through the three years of their course.

The BA Economics and Social Studies at Manchester offers the chance to specialise in a diverse range of subjects – see the relevant pages of this prospectus for more information on the subjects:

- Accounting and Finance
- Business Studies and Management
- Law (for Criminology)
- Economics
- Philosophy
- Politics
- Social Anthropology
- Sociology

When students apply, they must use one of the course codes listed below, but this does not restrict their eventual choice of specialisation(s). For example, a student who originally applied for Economics may eventually combine Politics or Sociology with Economics, or specialise in Development Studies. Students may also choose combinations that are not listed here. Please note: students cannot specialise in Accounting, Finance, or Business Studies, either as a single area or in combination with other areas, unless they apply for the appropriate course code.

COURSE INFORMATION

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

Economics BA (Econ)
3yrs, UCAS code L100

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

In Year 1 students will follow a broad programme of study that includes economics and the social sciences, quantitative methods, and options in accounting, finance and business. They can also take course units in computer applications and study skills. By the final year they will have picked one or two areas to specialise in. In total, more than 260 course units are available, giving students remarkable choice and the opportunity to put together a programme of study that is tailored to their particular interests.

CAREER OPPORTUNITIES

Due to the number of pathways available through the course, graduates have a wide variety of career opportunities in both the private and the public sectors. Recent graduates have pursued careers in management, accounting, consultancy, journalism, media, social work, teaching and law, at organisations such as Credit Suisse, Merrill Lynch, HM Treasury, the BBC and the Welsh Assembly.

WHY MANCHESTER?

Maximum flexibility and choice in students' preferred areas of study, with more than 260 course units available to choose from

Courses enhanced by researchers with 'world-leading' and 'internationally excellent' reputations (RAE 2008)

DISCOVERING ONE'S VOICE



“The person I was before was very shy. I used to be afraid of crowds, now I lead a society with over 700 members. I have to give speeches in front an audience of 300 to 400 people. The network that you build here is unbelievable. It stems a long way.”

Mehnaz Khan Electrical and Electronic Engineering student

Mehnaz has found a home away from home in Manchester, counting her friends here to be as close as her family in Bangladesh. She has also found a confidence that she did not realise she had.

The reason why I chose Manchester is because it's one of the top universities in the UK for engineering. I had actually quite a few choices: Australia, Malaysia and elsewhere in the UK. But I had also heard a lot about student life here. It has been an experience!

Engineering is not an easy course, but it is a challenge which I really enjoy. It makes you work hard and you know that you are amongst the best of the best. The difference between here and a university in Bangladesh is that over here is you have personal tutors – every student gets attention, which is so helpful. Mine was Director of Studies at the School of Electrical and Electronic Engineering, so I was extremely lucky. He was an inspiring man.

I was the Chair of Bangladesh Students Society this year. When I came here it was a small society that rarely functioned. This year we won Society of The Year for Culture and Faith. It has been a long journey but we made it into something. And I have changed a lot too – in the past I was not outgoing at all. I now have led a society and have friendships that will last a lifetime.

One of the best parts of the University of Manchester is the Careers Service. The service gives workshops and things like CV checking. In my degree there is a credit course where you are graded on the quality of your CV – that helped me, because now I have a placement next year. If I do not then I will go back to Bangladesh and I will work there for two years, but I would like to do my masters – and if I study Engineering, then where else would I do it but Manchester?

ELECTRICAL, ELECTRONIC AND MECHATRONIC ENGINEERING

TYPICAL OFFER

A-level: AAB – AAA including Maths and either Physics, Electronics or Further Maths

IB: 37 – 35 including Maths and either Physics or Further Maths at Higher level

Overall IELTS score of 6.0 (with no component less than 5.5), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/eee

ug-eee@manchester.ac.uk

With more than 60 academic staff specialising in subjects that range from nanoelectronics to power systems, our School of Electrical and Electronic Engineering is ideally positioned to provide students with a sector-leading education.

We are unique in the UK in combining proven excellence in both teaching and research (see: www.manchester.ac.uk/eee/ reputation), which will influence potential employers when judging the quality of graduates' degrees.

Industry recognises our achievements and we have teaching and research facilities sponsored by companies including National Grid, Rolls-Royce and National Instruments. As well as accrediting all our undergraduate courses, the Institution of Engineering and Technology has given special commendations 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 our School, as exemplified by our extracurricular activities in EESoc and the Electronic Club.

COURSE INFORMATION

To ensure that we produce graduates prized by industry, we take guidance from our Industrial Advisory Group: a forum where industry informs our School of its vision for the future and advises us on what they expect from top graduates. As a result of this collaboration, our courses have a strong practical element, using laboratory sessions and project work to bring theory to life.

The first three semesters of our courses are common, allowing students to switch between them at any time up to the end of the first semester in the second year. All of our courses can be taken with an assessed year in industry and our industrial placement courses manager will help find a suitable placement.

Electrical and Electronic Engineering BEng
3yrs, UCAS code H600

MEng
4yrs, UCAS code H605

with Industrial Experience BEng
4yrs, UCAS code H606

with Industrial Experience MEng
5yrs, UCAS code H601

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.

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 BEng
3yrs, UCAS code H610

MEng
4yrs, UCAS code H614

with Industrial Experience BEng
4yrs, UCAS code H613

with Industrial Experience MEng
5yrs, UCAS code H615

We live in an information age that requires electronics and digital signal processing systems (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.

Modern electronics requires an understanding of fundamental analogue and digital circuits to enable the design of elements that can be connected together to make systems, which serve as the modular blocks for bigger, more complex systems.

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.

WHY MANCHESTER?

Strong industry links that inform our course content and make our students more employable

Degrees designed by academics who are leaders in their field; we are ranked second in the UK for our research quality

Accreditation by the Institution of Engineering and Technology

Mechatronic Engineering BEng
3yrs, UCAS code HH36

with Industrial Experience MEng
4yrs, UCAS code HHH6

with Industrial Experience BEng
4yrs, UCAS code HH63

MEng
5yrs, UCAS code HHP3

Mechatronics is the marriage of mechanical engineering with smart electronics and software, and is vital to subjects such as industrial automation and robotics.

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

Our graduates have excelled in a vast range of careers, including: avionics, banking and commerce, biomedical electronics, sustainable energy, robotics and electric vehicles. Others have successfully progressed to postgraduate study.

ENGINEERING AND SCIENCE WITH AN INTEGRATED FOUNDATION YEAR

TYPICAL OFFER

Students are accepted from a wide range of backgrounds. Each application is considered individually

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 students' achievement and fully prepare them for degree study in engineering or science

A long and distinguished history in engineering and science education and research

FIND OUT MORE...

www.foundationstudies.eps.manchester.ac.uk

ug-fy-eps@manchester.ac.uk

Students can prepare for study on degree courses in engineering and associated disciplines, or science-related disciplines within our Faculty of Engineering and Physical Sciences, with one of our foundation year courses.

COURSE INFORMATION

Students study the mathematics, physics and chemistry (where appropriate) essential for securing success in the targeted degree courses. They also study academic skills and information and communications technology (ICT), developing the transferable skills necessary for undergraduate study, and undertake a project in the discipline of their choice.

Engineering with an Integrated Foundation Year 4/5yrs, UCAS code H108

Provided students meet the progression criteria of their chosen School, successful completion of the Engineering with an Integrated Foundation Year course guarantees progression on to the first year of an appropriate degree course chosen from:

- Aerospace Engineering
- Chemical Engineering
- Civil Engineering
- Electrical, Electronic and Mechatronic Engineering
- Materials Science
- Mechanical Engineering
- Petroleum Engineering

Science with an Integrated Foundation Year 4/5yrs, UCAS code F008

Provided students meet the progression criteria of their chosen School, successful completion of the Science with an Integrated Foundation Year course guarantees progression on to the first year of an appropriate degree course chosen from:

- Chemistry
- Computer Science
- Earth Sciences
- Mathematics
- Physics and Astronomy
- Textile Technology (see Textiles)

Find out more about these subject areas in the relevant pages of this prospectus.

ENGLISH LANGUAGE FOR EDUCATION

TYPICAL OFFER

A-level: AAB – BBB

IB: 31 – 36

Overall IELTS score of 7.0 (with a minimum of 5.5 in each component), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/education

laura.black@manchester.ac.uk
(Programme Director)

This unique undergraduate course focuses specifically on English language and its connections with education. Our deliberately limited student intake offers a close staff-student relationships, small-group teaching and guided one-to-one supervision.

Students gain invaluable experience in a work setting via their research project. Many of our graduates are now employed by the companies or organisations at which they undertook their placements.

Some students have gained experience working in local schools or colleges, or collecting data from prisoners who were learning literacy skills. Others have travelled the globe participating in local projects (such as building a new school for children in Ghana), or examining unusual teaching practices (for example, the use of music in New Zealand schools to engage autistic children).

English Language for Education BA
3 yrs, UCAS code X3Q1

CAREER OPPORTUNITIES

The skills developed, such as written and oral communication, team-working techniques and intercultural awareness, are useful across a variety of careers. Our graduates also demonstrate the ability and initiative that is required to design and manage a project with a high degree of autonomy, qualities that will be highly prized in any workplace.

WHY MANCHESTER?

A solid foundation for a teaching career within various sectors – for example, primary/secondary/adult education, workplace learning, TESOL

Study placements for excellent work experience opportunities

The small year group (up to 25 students) provides a positive and supportive learning environment

Up to 20% of the degree can be taken in course units anywhere within our Faculty of Humanities

ENGLISH LITERATURE AND AMERICAN STUDIES

TYPICAL OFFER

A-level: AAA – ABB

IB: 33 – 37

Minimum IELTS score of 7.0, or recognised equivalent
For a detailed course listing and UCAS codes, see www.manchester.ac.uk/english

See also Drama and English Literature, Linguistics and English Language, Art History and Visual Studies, and Modern Languages

FIND OUT MORE...

www.manchester.ac.uk/english

ug-eng-am@manchester.ac.uk

The most recent Research Assessment Exercise ranked us as the second highest English and American Studies department in the UK. Our research excellence informs our teaching and our students enjoy masterclasses 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 Jeanette Winterson (our Professor of Creative Writing), Hilary Mantel, Seamus Heaney and Neil Gaiman.

CAREER OPPORTUNITIES

Our graduates take up careers in journalism, accountancy, law, banking, advertising, business management, education, computing, the media, and the civil service.

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

ENVIRONMENTAL SCIENCE

TYPICAL OFFER

A-level: AAB – ABB

IB: 35 – 33

Overall IELTS score of 6.5 (with a minimum 6.0 in any component), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/seaes

ug-earth-sci@manchester.ac.uk

Environmental science is the study of how physical, chemical, and biological processes maintain and interact with life, and 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. 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 multidisciplinary degree includes important contributions from other Schools at the University, particularly Life Sciences, and Environment and Development.

Fieldwork is integral to this degree: our students undertake integrated and exciting subsidised fieldwork in each of their three years. There are also options to take additional fieldwork courses in such places as the French Alps, Ecuador, Greece and South Africa.

COURSE INFORMATION

Environmental Science BSc
3yrs, UCAS code F850;

BSc
4yrs, UCAS code F750;
with a Year in Industry

BSc
4yrs, UCAS code F75Z
with a Year Abroad

Students study three fundamental scientific strands – biosciences, geosciences and environmental physics – through all three years of their course. These strands are woven together by integrative course units including tutorials, field courses, and project-based learning. Course content draws on interdisciplinary research and provides regular contact with experts, including industrial and academic visitors from outside the University. We tailor our curriculum towards job prospects, using input from an industrial board of environmental employers.

WHY MANCHESTER?

One of the largest centres for earth and environmental teaching in the UK

Diverse exciting fieldwork opportunities, subsidised by the University

Cutting-edge research that informs our taught courses

Four-year course options enable students to take a year abroad or in industry

Students may interact with peers from other disciplines on University-wide course units, 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. An optional Manchester Advanced Technology Enterprise unit teaches students skills to set up their own businesses.

YEAR ABROAD

Students can expand their knowledge and understanding of environmental science by studying in a different culture and region at one of our University's partner institutions around the world.

YEAR IN INDUSTRY

Students can apply their environmental science understanding in a professional environment by working for a year in an organisation in the sector. We offer them help in identifying a suitable host organisation, and support through the placement by regular contact with a member of academic staff.

Find out more information about these degrees at: www.seaes.manchester.ac.uk/study/undergraduates/undergraduate-courses/

CAREER OPPORTUNITIES

Environmental scientists' career paths are extremely varied. They could end up working for government agencies or private companies engaged in environmental protection, protection of water resources, assessment of air, land and water contamination, environmental impact assessment or waste management. Ninety-five per cent of our students are in either full-time employment or further education six months after graduation (KIS data 2012). Typically, over half of our graduates continue in education, studying for higher degrees. Others have gained employment in a diverse range of areas, from the government agencies, oil companies and environmental consultancy companies to aid agencies overseas.

For more information of how we support students to find employment after graduation go to our website: www.seaes.manchester.ac.uk/study/careersandemployability/careerswithenvironmental-sciences/

EUROPEAN STUDIES**TYPICAL OFFER****A-level: ABB – BBB****IB: 34 – 32**

Overall IELTS score of 6.5 (minimum of 5.5 in any component), or recognised equivalent

See also Modern Languages

FIND OUT MORE...

www.manchester.ac.uk/alc
ug.languages@manchester.ac.uk

FRENCH**WHY MANCHESTER?**

The chance to place language studies within the wider context of European and general politics

Diverse choice of subjects complementary to language studies, from literature to political history

Year abroad in a country where the chosen language is spoken

See Modern Languages. See also European Studies, Art History and Visual Studies, Life Sciences, Linguistics and English Language, Mathematics, History, English Literature, Middle Eastern Studies, and Business and Management

GEOGRAPHY**TYPICAL OFFER****A-level: AAA – AAB****IB: 36 – 35**

Overall IELTS score of 7.0, or recognised equivalent

See also Environmental Science, Earth Sciences, and Planning and Environmental Management

FIND OUT MORE...

www.manchester.ac.uk/geography
seed.admissions@manchester.ac.uk

Our teaching and research interests cover most aspects of geography, while our extensive facilities include map and book libraries, audiovisual equipment, laboratories and computer clusters with networked PCs and internet access.

COURSE INFORMATION

Geography BA
3yrs, UCAS code L700

BSc
3yrs, UCAS code F802

We offer both a BA (Hons) and BSc (Hons) in Geography. Entry

requirements, curriculum and career opportunities associated with each are the same. Students begin with course units in three main areas: human geography, people and environment, and physical geography and have increasing flexibility as they progress. 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 BA
4yrs, UCAS code LF78

BSc
4yrs, UCAS code FL87

Students can study abroad in Year 3 at a partner university in various European countries, or in Australia, New Zealand, Canada, Hong Kong, Singapore or the USA.

Geography Integrated Masters MGeog
4yrs, UCAS code F800

Students can take the basic Geography course plus a specialist fourth year leading to a Master of Geography (MGeog) qualification. In Year 4, students complete a year-long research project, choose four course units from a wide choice and take part in a seminar and study programme that teaches them to evaluate geographical research and its application in

policy, professional and commercial spheres. Students can tailor the programme to their own requirements.

An alternative version of the MGeog, an MGeog with Planning degree, is also available. See *Planning and Environmental Management*.

CAREER OPPORTUNITIES

Surveys show that geography graduates are very employable as they 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.

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

Several field courses enable students to learn and meet with staff and students in an informal atmosphere

Excellent graduate employment record

Placed tenth in the world and sixth in the UK for Geography in the QS World Rankings 2013

GERMAN HISTORY

See Modern Languages. See also European Studies, Art History and Visual Studies, Life Sciences, Linguistics and English Language, Mathematics, History, English Literature, Middle Eastern Studies, and Business and Management

TYPICAL OFFER

A-level: ABB – AAA/AAB

IB: 37 – 33

Overall IELTS score of 6.5 (with a minimum of 5.5 in each component), or recognised equivalent

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.

See also Archaeology, Classics and Ancient History, English and American Studies, Modern Languages

WHY MANCHESTER?

One of the largest concentrations of history experts in the country, offering a wide variety of course units

Academics of international standing

Library facilities among the very best in the country

Commitment to excellence in teaching, including the pioneering use of online resources to enhance student learning

FIND OUT MORE...

www.manchester.ac.uk/history

ug-hist@manchester.ac.uk

CAREER OPPORTUNITIES

The skills acquired as a historian are particularly desirable to employers. Our graduates find work in areas related to their particular degree, or across a wide range of careers for which a good degree, rather than a specific subject, is required. The ability to manage and analyse diverse data and the literacy and communication skills gained are valued highly in the job market.

ITALIAN

See Modern Languages. See also Business and Management, Linguistics and English Language, History, English Literature, Middle Eastern Studies, and History of Art. Italian may also be studied with Latin (see Classics and Ancient History) and Life Sciences. Students may also study Italian from beginners' level or post-A-level, with Arabic, Chinese, French, German, Hebrew, Japanese, Portuguese, Russian, or Spanish (see Modern Languages)

JAPANESE

See Modern Languages. See also Linguistics and English Language, and Business and Management. Japanese may also be studied from beginners' level or post AS-level alongside Chinese, French, German, Italian, Portuguese, Russian, or Spanish (see Modern Languages)

JOINT LANGUAGE COURSES

See Modern Languages

LAW

TYPICAL OFFER

Law LLB

A-level: AAA

IB: 37 (6, 6, 6 at Higher Level)

**Law with Criminology LLB
Law with Politics LLB/BA**

A-Level: AAB

IB: 35 (6, 6, 5 at Higher Level)

Criminology BA

A-level: ABB

or IB: 33 (6, 6, 5 at Higher Level)

Overall IELTS score of 7.0 (with a minimum of 6.5 in each component), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/law

ug-law@manchester.ac.uk

t +44 (0)161 306 1271 /
+44 (0)161 275 5590

Manchester School of Law is a research-led teaching centre, where courses are delivered by academics engaged in world-leading research. Undergraduates are exposed to a breadth of scholarships, reflected in the wide range of courses we offer. We regularly achieve top ratings in national rankings of university law schools.

Our School has a full-time staff of more than 70 academics including lawyers, criminologists and ethicists. Staff members also run several award-winning Legal Advice Centres, which offer students practical experience of 'real life' cases and pro bono work. We have excellent and long-standing links with the law profession and other employers.

We are a diverse, cosmopolitan Law School, attracting students and staff from around the world. Our students are also actively involved in the life of the School through a wide-range of societies and activities. These include the Manchester University Law Society (MULS), the Bar and Mooting Society, the Law School Music Ensemble and our many sports teams.

Law LLB 3yrs, UCAS code M100

The LLB is the largest undergraduate degree course that we offer. It covers the basic subjects of legal study, while also providing a diverse choice of optional units to suit particular interests and career plans. It is a Qualifying Law Degree and thus provides exemption from the Graduate Diploma in Law, which is otherwise required if students wish to become a barrister or solicitor in England and Wales.

Law with Criminology LLB 3yrs, UCAS code M1M9

The LLB Law with Criminology is a Qualifying Law Degree (QLD). Manchester is one of the few Law Schools in the UK to integrate research and teaching in Criminology. This programme builds on the strengths of our interdisciplinarity. Students will study the QLD subjects but will also follow a structured programme in criminology. Students can decide at the start of Year 2 if they want to change to a non-QLD (which offers more optional units).

Law with Politics LLB 3yrs, UCAS code LM21

WHY MANCHESTER?

Long-standing reputation as a distinguished centre of research and teaching, dating from 1872

Research-led teaching, with courses delivered by world-leading lawyers, criminologists and ethicists

Legal Advice Centres, offering hands-on experience of pro-bono work

One of only a few UK Law Schools to integrate teaching and research in Criminology

Excellent graduate employment prospects in the legal profession and beyond

Wide-ranging extra-curricular activities offered by our many student-run societies

Law with Politics BA 3yrs, UCAS code M1L2

The LLB Law with Politics is a Qualifying Law Degree (QLD). On the BA Law with Politics students may choose whether or not to obtain a QLD at the start of Year 2. Both programmes build on the many links between the two sister disciplines of Politics and Law. Our expertise makes Manchester an especially good place to study in this important field.

Criminology BA 3yrs, UCAS code M901

The BA Criminology offers an excellent opportunity to study crime, criminality and the criminal justice system, including the measurement and definition of crime, its causes and effects, and the reactions to it. With a broad range of options, students can choose to study specific areas of interest, such as organised crime, youth justice and drug use. Find out more about Criminology at Manchester on our Facebook page: www.facebook.com/criminology.manchester.

CAREER OPPORTUNITIES

Law

We have very strong links with the legal professions in the UK and abroad and our Law graduates are highly regarded. Each year our students secure training contracts and pupillages with the most prestigious regional, national and international law firms and barristers' chambers. Every graduate has a guaranteed place to study on the Legal Practice Course with one of three major course providers, if they achieve a minimum 2:2 degree.

Careers advice is available from a dedicated careers advisor for Law. Our Law School and the University's Careers Service have also developed a dedicated careers education programme: Getting into the Legal Profession (GILP). Each year, as part of this programme, we run a series of employability workshops, delivered by an in-house team, practitioners from local and City law firms, and the Careers Service. Students will also gain advice on non-law careers as an extension of the GILP programme.

Criminology

The intellectual rigour of our course provides students with the depth of knowledge and skills required both for developing their career prospects and for pursuing further study and research. With our dedicated careers module and links into related professions we provide opportunities to gain a practical insight into a range of different careers, and fully prepare our students for graduate employment. Our graduates have gone on to careers in the criminal justice system, local government, public services, social welfare, and the voluntary sector. All our graduates benefit from the strong research methods and data analytic skills that run through the degree.

LEARNING DISABILITY STUDIES

TYPICAL OFFER

A-level: ABB – BBB

IB: 34 – 31

Overall IELTS score of 7.0, or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/education

craig.blyth@manchester.ac.uk

t +44 (0)161 275 3385

COURSE INFORMATION

Learning Disability Studies BA 3yrs, UCAS code B760

Learning Disability Studies encourages students to think critically about disability and difference, and to examine how and why education and services for learning disabled pupils and adults have developed as they have. It also aims to critically evaluate current developments in the field of learning disability in order to prepare students for a career in education and social care.

WHY MANCHESTER?

This course is unique in its design to bring about real change in the lives of learning-disabled children and adults by working in partnership with them

Placements are undertaken in the first and second years – these help to shape and build students' future careers. The placements are geared towards students' personal interests in regional schools and in learning-disability services of their choice

LIFE SCIENCES

TYPICAL OFFER

A-level: AAA – ABB

IB: 37 – 33

Overall IELTS score of 6.5 (with no component less than 6.5), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/lifesciences

ug.lifesciences@manchester.ac.uk

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 underpins everything from developing new drugs and therapies to generating new sources of fuel and engineering higher yielding crops.

Outside of our lecture theatres and laboratories, students can do field courses in Europe, Africa and Central America, undertake a placement in an institution in many places across the world, and even plan to set up their own biotechnology company.

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 courses in more than 20 life science disciplines. All first-year courses have a common core of units introducing fundamental concepts. This means students can transfer between most courses at the end of Year 1 and, in some cases, later. If student interests include subjects outside life sciences, we offer courses with a language, or they can choose optional units from the entire range offered by the University. Popular choices include law, language and business.

COURSE INFORMATION

As well as lectures and practicals, important features are the small-group seminars and tutorial teaching on topics relevant to each subject area, which develop oral and written communication, IT skills, and 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.

Most courses also offer opportunities for study abroad in another university in Europe, the USA, Canada, Hong Kong, Singapore, or Australia for one semester in Year 2.

Most of our degrees are available as a four-year course where students spend Year 3 on a research placement in the UK or overseas. There are two types: 'with Industrial/Professional Experience' and 'with a Modern Language.'

On 'with Industrial/Professional Experience' courses, students undertake one of our wide range of placements at over 200 partner organisations in North America, Africa, Asia, Australia and many European countries, as well as throughout the UK, reflecting the growing range of science careers inside and outside of the laboratory. Students work in pharmaceutical companies, industrial and international research institutes, educational environments, hospitals, biotechnology start-ups, technology transfer companies, and science communication organisations, such as medical writing companies, media offices and museums.

On 'with a Modern Language' degrees, students undertake research at a university in a country where their chosen language of study is spoken.

The final year focuses on our research activities and students take advanced units from a generous choice of options. Students also undertake a research project allowing them to come into close contact with postgraduates and other research workers, and gain first-hand experience of the demands and rewards of original research. For details, visit: www.manchester.ac.uk/ls/undergraduate/courses/modules/finalyearprojects

Anatomical Sciences BSc
3yrs, UCAS code B110

Anatomical Sciences with Industrial/Professional Experience BSc
4yrs, UCAS code B111

Anatomical Sciences with a Modern Language BSc
4yrs, UCAS code B114

Biochemistry BSc
3yrs, UCAS code C700

Biochemistry with Industrial/Professional Experience BSc
4yrs, UCAS code C701

Biochemistry with a Modern Language BSc
4yrs, UCAS code C705

Biology BSc
3yrs, UCAS code C100

Biology with Industrial/Professional Experience BSc
4yrs, UCAS code C101

Biology with a Modern Language BSc
4yrs, UCAS code C106

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

Biomedical Sciences with a Modern Language BSc
4yrs, UCAS code B9R9

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

Cell Biology with a Modern Language BSc
4yrs, UCAS code C132

Developmental Biology BSc
3yrs, UCAS code C141

Developmental Biology with Industrial/Professional Experience BSc
4yrs, UCAS code C143

Developmental Biology with a Modern Language BSc
4yrs, UCAS code C1R9

Genetics BSc
3yrs, UCAS code C400

Genetics with Industrial/Professional Experience BSc
4yrs, UCAS code C401

Genetics with a Modern Language BSc
4yrs, UCAS code C402

Life Sciences BSc
3yrs, UCAS code C102

Life Sciences with Industrial/Professional Experience BSc
4yrs, UCAS code C105

Life Sciences with a Modern Language BSc
4yrs, UCAS code C103

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

Microbiology with a Modern Language BSc
4yrs, UCAS code C502

Molecular Biology BSc
3yrs, UCAS code C720

Molecular Biology with Industrial/Professional Experience BSc
4yrs, UCAS code C702

Molecular Biology with a Modern Language BSc
4yrs, UCAS code C722

Pharmacology BSc
3yrs, UCAS code B210

Pharmacology with Industrial/Professional Experience BSc
4yrs, UCAS code B211

Pharmacology with a Modern Language BSc
4yrs, UCAS code B212

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

Physiology with a modern language BSc
4yrs, UCAS code B122

Plant Science BSc
3yrs, UCAS code C200

Plant Science with Industrial/ Professional Experience BSc
4yrs, UCAS code C202

Plant Science with a modern language BSc
4yrs, UCAS code C201

Zoology BSc
3yrs, UCAS code C300

Zoology with Industrial/ Professional Experience BSc
4yrs, UCAS code C301

Zoology with a modern language BSc
4yrs, UCAS code C303

NEUROSCIENCE COURSES

Cognitive Neuroscience and Psychology BSc
3yrs, UCAS code BC18

Cognitive Neuroscience and Psychology with Industrial/ Professional Experience BSc
4yrs, UCAS code BCC8

Neuroscience BSc
3yrs, UCAS code B140

Neuroscience with Industrial/ Professional Experience BSc
4yrs, UCAS code B143

Neuroscience with a modern language BSc
4yrs, UCAS code B144

Neuroscience MNeuroSci
4yrs, UCAS code B141

CAREERS AND EMPLOYABILITY

Life science employment prospects are excellent. In the last few years, companies and organisations that regularly recruit large numbers of graduates have rated Manchester students among 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.

Contact us for our careers brochure, or visit our website for more information:
www.ls.manchester.ac.uk/undergraduate/careeropportunities

WHY MANCHESTER?

Innovative teaching techniques, world-class facilities and tutors who are leading experts from across the breadth of the life sciences

Dynamic community of scientists working at the cutting edge of research

One of the best life sciences faculties in Europe for teaching and research quality (95% of research classed as internationally significant)

Expertise in many areas of life sciences, ranging from molecules to cells, plants to animals, biomedical to population studies

Addressing research challenges of global significance, including: exploring the cellular processes that lead to the development of cancer; and developing environmentally sustainable biofuels to replace fossil fuels

LIFE SCIENCES WITH A FOUNDATION YEAR

TYPICAL OFFER

We accept students from a wide range of backgrounds and each application is considered individually. Candidates should apply through UCAS.

See also Life Sciences

Life Sciences with a Foundation Year BSc
4/5yrs, UCAS code C900

FIND OUT MORE...

www.manchester.ac.uk/lifesciences

ug.lifesciences@manchester.ac.uk

This course is for students who want to enter one of the degree courses offered by the Faculty of Life Sciences, but do not have the appropriate entry qualifications.

Our foundation year provides the necessary academic background in biology, chemistry and mathematics to prepare students for study on any of our BSc (Hons) courses. We offer courses in more than 20 life sciences subjects and successful completion of the foundation year allows direct entry into any of these courses, including Optometry. See *Life Sciences* and *Optometry* to find out more.

To progress students will need strengths in the relevant subject areas. Some courses require higher marks in certain subjects than others (eg. Optometry).

WHERE STUDY TAKES PLACE

Most of our course is taught by the experienced staff of Xaverian College, about 1 km south of the University. Students also spend time on our University campus most weeks, undertaking a complementary series of tutorials, seminars and laboratory exercises. Foundation year students are full members of The University of Manchester and guaranteed access to all our undergraduate facilities, activities and services outlined in this prospectus.

WHY MANCHESTER?

Courses designed to maximise achievement and fully prepare students 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

LINGUISTICS AND ENGLISH LANGUAGE

TYPICAL OFFER

A-level: AAB – BBB

IB: 35 – 32

Overall IELTS score of 6.5
(with a minimum of 5.5 in
each component), or
recognised equivalent

*Where Linguistics and English
Language is combined with
other subjects, there may be
additional entry requirements.*

*See also Classics and Ancient
History, English Language for
Education, English Literature
and American Studies, and
Modern Languages*

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

FIND OUT MORE...

www.manchester.ac.uk/alc

ug.languages@manchester.ac.uk

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.

MANAGEMENT AND BUSINESS

*See Business and
Management*

MANAGEMENT AND LEISURE

TYPICAL OFFER

A-level: AAB – BBB

IB: 36 – 31

Overall IELTS score of 7.0
(with no component below
5.5), or recognised
equivalent

FIND OUT MORE...

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

ug-education@manchester.ac.uk

Management and Leisure BA
3 yrs, UCAS code N870

CAREER OPPORTUNITIES

A broad range of career opportunities await graduates within the leisure sector, including the arts, sports and recreation, travel and tourism and events management. The latest survey shows that 85% of our graduates were either in work or in further study six months after finishing the course.

WHY MANCHESTER?

Combination of academic study and practical experience gives students a head start and choice in their career

Focus on management skills and abilities within the context of the leisure industry

Chance for students to specialise in a subject area of their own choice for independent research work

MATERIALS SCIENCE

TYPICAL OFFER

A-level: AAA – AAB

IB: 37 – 35

Overall IELTS score of 6.0 (with no component below 5.5), or recognised equivalent

See also Engineering and Science with an Integrated Foundation Year

FIND OUT MORE...

www.manchester.ac.uk/materials

ug-materials@manchester.ac.uk

Materials science is an exciting and rapidly expanding field, with excellent employment prospects in a wide range of careers. At Manchester, students 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. Our student-run Materials Society (MATSOC) arranges various social and sporting activities within the School of Materials, including the annual MATSOC ball.

COURSE INFORMATION

Materials Science and Engineering BSc
3yrs, UCAS code J500

Materials Science and Engineering MEng
4yrs, UCAS code J501

with Industrial Experience MEng
4yrs, UCAS code J503

Materials science is a synthesis of physics, chemistry and engineering. Advances in this area drive technology developments in all major industrial sectors, from aerospace and power generation, to electronics and telecommunications. Materials scientists have unique combinations of subject knowledge and skills and are highly sought after; they are versatile and ideally suited to manage the multidiscipline research teams usually found in industrial research and development.

The MEng with Industrial experience provides the opportunity for students to work at a company, responsible for one or more substantial industrial projects under the joint supervision of a lecturer and a scientist or engineer at their host organisation.

Biomaterials Science and Tissue Engineering BSc
3yrs, UCAS code J2BV;

MEng
4yrs, UCAS code BJ82;

with Industrial Experience MEng
4yrs, UCAS code J2B8

Students study the use of materials in the human body, principally for the replacement and regeneration of damaged or diseased tissues, covering many areas of biology, biochemistry, anatomy, cell biology, tissue engineering and materials science.

Students 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. Students on the MEng with Industrial experience course work at a company under the joint supervision of a lecturer and a scientist or engineer at the host organisation.

CAREER OPPORTUNITIES

Materials Science and Engineering graduates are highly sought after and all of our graduates either find employment in industry or go on to higher-level study. Careers include research and development, management, 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 health care, 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.

Alongside superior research skills, our MEng graduates boast an enhanced understanding of the principles of business management and administration, which is highly relevant to and valued by many employers.

WHY MANCHESTER?

Strong links with relevant industrial and clinical units, ensuring our degrees are 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

All courses accredited by IOM3, fulfilling the academic requirement for the award of chartered engineer (CEng) status

One of the largest and most diverse university materials activities in the world, bringing together excellence in teaching and research

MATHEMATICS

TYPICAL OFFER

A-level: A*AA – AAA

IB: 37

Overall IELTS score of at least 6.0 or 6.5 depending on degree course (including a Writing score of at least 6.0 and no other component less than 5.5), or recognised equivalent

See also Computer Science, Physics and Astronomy, and Engineering and Science with an Integrated Foundation Year

FIND OUT MORE...

www.manchester.ac.uk/math

ug-maths@manchester.ac.uk

Our staff are involved in high quality research across the whole 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 higher-level course units we offer in the later years of our undergraduate degrees.

SINGLE HONOURS DEGREES

Students can choose to study our degrees as either a three-year BSc or a four-year MMath. The BSc provides a good all-round mathematical knowledge, plus the experience of more specialised results, methods and ideas. Our MMath adds sufficient depth to prepare students for postgraduate studies, mathematical research, or work as a specialist mathematician in industry, business, or higher education.

Mathematics BSc
3yrs, UCAS code G100

MMath
4yrs, UCAS code G104

This course is ideal for students who are mathematically gifted and want to keep their options open. Students can study other subjects, such as accounting, economics, a science, a language, music, politics, or psychology. Whatever is chosen, the flexibility of our course means our students can graduate with finely honed skills in their preferred areas.

Mathematics and Statistics BSc 3yrs, UCAS code GGC3;

MMath
4yrs, UCAS code GG13
Accredited by the Royal Statistical Society

This course is ideal for students who expect to use statistics in their professional work as they develop the capacity to formulate and analyse problems, and to interpret scientific evidence using appropriate statistical methodology.

Mathematics with Financial Mathematics BSc 3yrs, UCAS code G1NH;

MMath
4yrs, UCAS code G1NJ

This course is for students interested in learning about recent applications of mathematics to the financial sector. Students 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.

JOINT HONOURS DEGREES

These courses provide an opportunity to study a BSc degree combining Mathematics with another subject. 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 courses are exceptions, as Mathematics forms about three-quarters of these degrees.

Actuarial Science and Mathematics BSc 3yrs, UCAS code NG31 *Accredited by the Institute and Faculty of Actuaries*

Students develop 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's accreditation means students will, subject to performance, be eligible for a number of exemptions from the IFoA's professional examinations.

Mathematics and Philosophy BSc 3yrs, UCAS code GV15

Students explore both subjects and the interesting border region between the two. See *Philosophy*.

Mathematics with a Modern Language BSc 4yrs, UCAS code G1R9

Students develop their language skills (in French, German, Italian, Japanese, Russian, or Spanish) while training as a mathematician. Year 3 is spent at an overseas university studying mathematics, carrying out approved paid work (eg, in a school), or improving language on an approved course. See *Modern Languages*.

Mathematics with Business and Management BSc 3yrs, UCAS code G1N2

Students build a firm foundation of mathematics while gaining exposure to the modern theory and practice of business, management and accounting. See *Business Studies and Management*.

Mathematics with Finance BSc 3yrs, UCAS code G1N3

Students take the same course units in financial mathematics as Mathematics with Financial Mathematics, but with a greater component of accounting and finance, including the study of international markets and multinational corporate finance.

CAREER OPPORTUNITIES

A mathematics degree is excellent preparation for any career requiring people who can think clearly and logically. Popular areas of employment are finance, computing (including operational research), statistics, teaching (schools and colleges), administration and postgraduate study.

WHY MANCHESTER?

One of the largest, most respected schools of mathematics in the UK

Purpose-built building with excellent facilities

Portfolio of high-quality, flexible degrees, with a large range of options

MECHANICAL ENGINEERING

TYPICAL OFFER

A-level: AAA – AAB

IB: 37 – 35

Overall IELTS score of 6.0 (with no component less than 5.5), or recognised equivalent

FIND OUT MORE...

www.mace.manchester.ac.uk

ug-mace@manchester.ac.uk

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).

Today, all our engineering courses have a strong base of engineering science, while giving students a practical grounding and knowledge of the environment they will work in as a professional engineer. Because our staff are actively involved in research, our teaching evolves to reflect state-of-the-art technology, giving access to expertise in a wide range of engineering disciplines.

Considerable levels of staff contact and our high quality resources ensure students have a challenging and rewarding experience.

PROFESSIONAL ACCREDITATION

All our Mechanical Engineering degrees are professionally accredited by the Institution of Mechanical Engineers. For full details, see: www.mace.manchester.ac.uk/study/undergraduate/accreditation

COURSE INFORMATION

Mechanical Engineering BEng
3yrs, UCAS code H300

MEng
4yrs, UCAS code H303

In Years 1 and 2 students gain basic engineering knowledge and skills and subject to satisfactory performance, students may transfer from the BEng to an MEng course at the end of Year 2. In Year 3 of the BEng the focus is on individual work, including a major solo investigative project. In Years 3 and 4 of the MEng students select subjects from a range of options to suit their needs and career aspirations, combined with substantial individual and group projects.

Mechanical Engineering with Management BEng
3yrs, UCAS code H3N1

MEng
4yrs, UCAS code H3ND
Run jointly with Manchester Business School

Students study mechanical and manufacturing engineering, alongside industrial organisation, financial reporting and management of people and systems. Mechanical engineering 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
5yrs, UCAS code H301

Students enhance their employment prospects further by taking a structured placement year in industry after completing the first three years of the Mechanical Engineering course.

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 skills can play important roles.

By gaining highly developed transferable skills, such as simulation, problem-solving, design, management and modelling, a significant proportion of our graduates follow alternative careers in high-level technology. They are also increasingly sought after for positions in the business, management and financial sectors.

MECHATRONICS

See Electrical and Electronic Engineering

WHY MANCHESTER?

Long, distinguished history in engineering education and research – Manchester was 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

MEDICINE

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, visit our website at: www.manchester.ac.uk/medicine

FIND OUT MORE...

www.manchester.ac.uk/medicine

ug-medicine@manchester.ac.uk

COURSE INFORMATION

Medicine MBChB
5yrs, UCAS code A106

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

CAREER OPPORTUNITIES

UK medical graduates are currently able to secure a place on the two-year course that leads to full registration with the General Medical Council.

WHY MANCHESTER?

Modern and developing degree course at a world-ranking university

One of only five academic health science centres in the country, carrying out world-leading research within our School and with our NHS partners, which informs our courses

Personalised education supported by an academic advisor who is a doctor and will stay with students throughout their courses

Early clinical experience both in hospital and in the community

“It is a very international campus. In class, you see people from places like Mauritius, China, Hong Kong and Malaysia. Students have a great opportunity to see the world for what it is and to be exposed to the different cultures.”

Scott Wong Medicine student and international athlete

Representing Singapore in international athletics, Scott knows what it takes to be among the best. Studying at Manchester brought a different challenge – but Scott has not had to cope on his own.

I represent my country in shot put and discus – I will be going to Southeast Asian games held in Myanmar. I came here expecting to have trouble juggling sport and studies. But we have a very good support system of academic advisors, in case you have trouble with your studies. On top of that, I receive a sport scholarship, which helps me manage my training timetable and find a balance with my studies – as well as providing funding.

When I first came here, I thought Medicine would be a very academic degree. I thought we would have to learn about endless amounts of diseases. But Manchester Medical School focuses on problem-based learning and the communication aspect. There is a lot of contact time in the hospitals. And, increasingly, we are taught how to communicate with real-life patients and you interact with real-life cancer patients.

My proudest achievement is the fact that I have been able to maintain honours at most of my exams. While doing that, I've still been able to compete at quite a good level. I have got two bronzes at the British Universities Championships and next year I am aiming for the gold.

In the long-term, maybe I will try to travel the world as a doctor. Maybe I will either specialise in neuroscience or become a sports doctor. Because I am a sportsman and doctor, that would be quite convenient! I would also like to become an MP in Singapore one day – who knows!

**PUSHING FOR HONOURS,
GOING FOR GOLD**

MIDDLE EASTERN STUDIES

TYPICAL OFFER

A-level: ABB – BBC

IB: 35 – 29

Overall IELTS score of 6.5 (with a minimum of 5.5 in each component), or recognised equivalent

See also Business and Management

FIND OUT MORE...

www.manchester.ac.uk/alc

ug.languages@manchester.ac.uk

CAREER OPPORTUNITIES

Our graduates develop skills that are valuable for many occupations, including teaching, journalism, publishing, legal, personnel and public sector professions, the civil service, private business (especially oil, retail, tourism, and real estate), and many others. We also offer graduates the opportunity to embark on postgraduate studies within one of Middle Eastern Studies' sub-disciplines.

WHY MANCHESTER?

More than a century's experience in studying the Middle East

Teaching informed by the research of internationally reputed staff with expertise in diverse fields – eg, contemporary politics, modern history, religious studies, literature, film, and the study of contemporary Middle Eastern cultures and societies

Focus on the present-day Middle East and the historical roots of its current upheavals

Based in a multicultural city with Middle Eastern communities

MODERN LANGUAGES

TYPICAL OFFER

A-level: AAA – BBC

IB: 37 – 29

Overall IELTS score of 6.5 (with a minimum of 5.5 in each component), or recognised equivalent

For a detailed course listing and UCAS codes, see www.manchester.ac.uk/alc

FIND OUT MORE...

www.manchester.ac.uk/alc

ug.languages@manchester.ac.uk

Our modern language provision includes Japanese, Chinese, French, German, Italian, Russian, Spanish, Portuguese, Arabic, Hebrew, Persian and Turkish to degree level, as well as instruction in Catalan, Polish and Dutch. Our Language Centre also offers courses in English language and in a wide range of foreign languages for students throughout the University.

Students can explore a wide range of subjects relating to these languages and the countries where they are spoken. Besides linguistic and area studies expertise, students acquire essential skills in IT, analysis, communication, team-working and time management.

WHY MANCHESTER?

Modern language provision 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

French: one of the largest and oldest centres in the UK for French and Francophone studies

German: on-campus branch of the Goethe-Institut's Examination Centre, whose qualifications we are accredited to offer

Italian: world-class library holdings in Italian studies, including one of the largest collections of early Italian printed books in the world, and an impressive Italian manuscript collection

Japanese: firm grounding in the language, contemporary culture and society of Japan, with a historically contextualised understanding of Japan's place in the world

Russian: wide range of extracurricular activities, including a vibrant Russian Student Society and an active peer-support scheme

Spanish, Portuguese and Latin American Studies: internationally recognised interdisciplinary Centre for Latin American Cultural Studies, which hosts events for the academic community and beyond

CAREER OPPORTUNITIES

Employers value high-level language skills, even where jobs do not directly require foreign languages. The linguistic and area studies expertise and diverse skills our students acquire during their studies open up many career paths with an international dimension in areas such as business, industry and finance. Our graduates have pursued careers in journalism, broadcasting, IT, marketing, law, finance, project management, energy and publishing. They have also opted 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).

MUSIC

FIND OUT MORE...

www.manchester.ac.uk/music

ug-music@manchester.ac.uk

t +44 (0)161 275 4987

Providing a rare combination of academic excellence with what is arguably the liveliest performance culture of any university, Manchester is now recognised as one of the best places to study music anywhere.

CAREER OPPORTUNITIES

A Music degree from Manchester provides excellent training for a host of careers, both within and outside of the music industry. Our graduates include some of the country's leading new performers, composers, conductors and music scholars. Some go on to become music teachers, but a degree in Music does not limit them to the field of music – employers know that our

TYPICAL OFFER

A-level: AAB
(Joint course with RNCM AAA)

IB: 36 – 35
(students will also need Associated Board (or equivalent examinations) Grade 8, preferably at Distinction, on an instrument/voice)

Minimum IELTS score of 7.0 or equivalent, or recognised equivalent

For a detailed course listing and UCAS codes, see www.manchester.ac.uk/music

graduates are dedicated, creative, versatile, excellent team players, highly organised, can work on their own initiative and have exceptional powers of concentration. Our graduates' careers include jobs as diverse as accountancy, law, journalism, broadcasting, publishing and the military.

WHY MANCHESTER?

Consistently ranked within the UK's top three music departments for the past 15 years

Manchester is home to more professional music-making than any other UK city outside London

Instrumental teachers drawn from the city's three professional orchestras, with many shared with the Royal Northern College of Music (RNCM)

Music at Manchester is housed in one of Manchester's premiere concert venues, including an £8 million purpose-built building with a state-of-the-art concert hall and £2 million computer music research studios

Around 100 departmental concerts each year to standards that equal those of many conservatoires

FIND OUT MORE...

www.manchester.ac.uk/nursing

Adult: t +44 (0)161 306 7600
Child / Mental Health:
t +44 (0)161 306 7603

ug.nursing.bnurs@manchester.ac.uk

Midwifery: t +44 (0)161 306 7602
ug.midwifery@manchester.ac.uk

NURSING AND MIDWIFERY

The University is currently unable to accept applications from international students for Nursing and Midwifery undergraduate courses due to restrictions from the National Health Service. We are therefore only able to consider applications from students that qualify for home fee status. For a detailed course listing and UCAS codes, see www.manchester.ac.uk/nursing

OPTOMETRY

TYPICAL OFFER

A-level: AAB

IB: 35

Overall IELTS score of 6.5 (with not less than 6.5 in any component), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/lifesciences

ug.lifesciences@manchester.ac.uk

t +44 (0)161 275 5032

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, now more commonly known as Optometry.

Optometry moved into brand-new, purpose-built facilities at the heart of the biomedical section of our campus in 2011. The Carys Bannister Building includes a dispensary, 16 bespoke optometric examination rooms for Year 3 clinics, numerous specialist clinic rooms and dedicated laboratories for non-clinical practical sessions.

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 supports student learning. Eurolens Research, the European Centre

for Contact Lens Research, is based here. Our research has a global impact – the MPOD instrument, which is used around the world to assess macular pigment as a sign of macular degeneration, was developed by our optometry staff.

COURSE INFORMATION

Optometry BSc
3yrs, UCAS code B510

In Year 1 students discover the scientific principles that underpin optometry, including the properties of light, the anatomy of the eye and the processing of vision in the brain. In Year 2 students further develop their knowledge of ophthalmic appliances and optometric instrumentation and discover a broad range of new topics, including human disease processes, pharmacology, contact lens practice and binocular vision. In addition clinical skills are developed so that by the end of the year, under supervision, they will have the competence and confidence to examine members of the public.

During the summer vacation, students spend a week at the Manchester Royal Eye Hospital and gain a wealth of practical clinical experience in all hospital departments. This is a unique element of our courses and is not offered at any other UK university.

If students wish to proceed to the MOptom at the end of Year 2 (and are selected, based on good academic performance and communication skills), they embark on the final two years, which include a year of practical experience – in

WHY MANCHESTER?

New, purpose-built facilities

Clinical experience at one of Europe's leading eye hospitals: Manchester Royal Eye Hospital

Renowned researchers involved in lectures, practicals and clinics, providing excellent standards of teaching

Option to take our MOptom – the only course in the country that allows students to register directly with the General Optical Council and go straight into practice when they graduate, without needing a year of pre-registration practice

both private practice and at an eye hospital – plus advanced project and lecture courses.

Otherwise, students take Year 3 of the BSc, including further comprehensive clinical practice, hospital clinics and a dissertation. For full details of all our course units, visit: www.manchester.ac.uk/lifesciences

CAREER OPPORTUNITIES

Optometry is a vocational course with excellent career prospects: 96% of our graduates are employed in a graduate job within six months of completing their course. 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 they choose to teach or undertake research in industry or academia.

ORAL HEALTH SCIENCES

See Dentistry

PETROLEUM ENGINEERING

TYPICAL OFFER

A-level: AAB

IB: 35

Overall IELTS score of 6.5 (with a minimum score of 6.0 in any component), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/seaes

ug-earth-sci@manchester.ac.uk

COURSE INFORMATION

Petroleum Engineering BEng
3yrs, UCAS code H850

MEng
4yrs, UCAS code H851

Petroleum engineers work at the interface between geology and engineering and play a pivotal role in the efficient exploitation and long-term recovery of hydrocarbons. Our undergraduate courses are designed to equip students with the knowledge and skills that are required by the petroleum industry. Several of the course units will be lead by industry professionals and the

project work is designed to simulate real petroleum engineering problems.

Producing oil and gas from reserves effectively and safely is of immense economic importance, and requires a broad spectrum of knowledge and skills. Find out more information about these degrees at: www.seaes.manchester.ac.uk/study/undergraduates/undergraduate-courses/

CAREER OPPORTUNITIES

Petroleum engineers are involved in the discovery, recovery and maintenance of the world's oil and gas supplies. The activities are important because safe, affordable and clean energy is a requirement for future generations. As a result the necessity for improved production from mature fields, alongside exploration for hydrocarbon reserves in increasingly challenging environments means that petroleum engineers with specific skills sets are in great demand across the petroleum industry. Job opportunities for petroleum engineers are very diverse and occur along the entire value chain of hydrocarbon exploration and production. They can get their hands dirty on a drill rig, perform sophisticated analyses in the laboratory, or work

with advanced computer software to create reservoir models. Petroleum engineers could work out in the field and travel the globe – or enjoy the relative comfort of an office job.

For more information of how we support students to find employment after graduation go to our website: www.seaes.manchester.ac.uk/study/careersandemployability/careerswithpetroleumscienceandengineering/

WHY MANCHESTER?

Industrial input to course design and delivery

Dedicated laboratory space with access to industry standard software

Design projects in each year, enabling students to put theory into practice

PHARMACY AND PHARMACEUTICAL SCIENCES

TYPICAL OFFER

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

FIND OUT MORE...

www.manchester.ac.uk/pharmacy

ug-pharmacy@manchester.ac.uk

t +44 (0)161 275 2334

One of the most dramatic advances in health care has been the development of highly specific and effective medicines, which have virtually eliminated killer diseases of the past and reduced the impact of many others. Today, more than ever before, administering 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.

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.

Our research is advanced within six 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.

There is the opportunity to participate in an area of research in the final year, ranging from traditional laboratory-based projects, pharmacy practice and professional topics, to outreach and public engagement activities – all of which are topical and have in the past occasionally led to publications.

COURSE INFORMATION

Pharmacy MPharm
4yrs, UCAS code B230

Students gain a broad-based, scientifically strong education in pharmacy, including extensive clinical training, which enables them to enter all areas of the profession on graduation and to adapt to changes that may occur during their professional life. They develop communication skills through oral and written presentations, and learn via innovative teaching methods, such as problem-based, enquiry-based and team-based learning, tutorials, video and computer-assisted learning, alongside more traditional methods of formal lectures and practical classes. Students can use our computer-assisted learning laboratory throughout their course as an aid to their learning, and undertake role-play simulations via interactive video programmes in therapeutics teaching.

CAREER OPPORTUNITIES

Upon successful completion of the MPharm course, the General Pharmaceutical Council recognises students 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 research.

Pharmacy offers rewarding and worthwhile careers, with an exceptional variety of interesting employment.

WHY MANCHESTER?

Distinguished history at the first UK university to award degrees in pharmacy

Unique combination of scientific, professional and clinical excellence in teaching to prepare students fully for all areas of the pharmacy profession

Innovative teaching practices, state-of-the-art teaching facilities and specialist teacher practitioners ensure our courses are informative, immensely rewarding and fun

PHILOSOPHY

TYPICAL OFFER

A-level: ABB

IB: 34

Overall IELTS score of 6.5 (with no component less than 6.0), or recognised equivalent

See also Economic and Social Studies, Mathematics, Physics and Astronomy, Politics, Philosophy and Economics, and Social Sciences

FIND OUT MORE...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk

WHAT IS PHILOSOPHY?

Philosophy is the study of the most general and fundamental features of reality, including ourselves, and the concepts, theories and practices we use to try to understand and cope with them.

Philosophical questions include:

- Is free will compatible with a scientific worldview?
- Is everything that exists in space and time entirely physical?
- Do abstract objects outside of space and time, such as numbers, really exist?
- Does God exist?
- Is time travel to the past possible?
- What makes something a work of art?
- What makes something the morally right thing to do?
- Is individual liberty the overarching political value?
- Can anything be known for certain?

What do the above questions have in common? They are very abstract and difficult – and they are fundamental, in the sense that answers to them are presupposed by all other intellectual enquiries. They cannot themselves be answered by engaging in scientific experiment. The only way to approach them is by using reasoned argument.

Philosophy students develop their own responses to fundamental questions that have been occupying reflective souls for over 2,000 years and become familiar with on-going debates. They acquire highly transferable skills of analytical and critical thinking, reasoned argument and clear, systematic expression of ideas, all of which are universally applicable in all walks of life and work.

CAREER OPPORTUNITIES

Studying philosophy teaches individuals to think critically and imaginatively about a wide range of problems, and to present a clear and cogent case for their 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.

WHY MANCHESTER?

Long-established tradition of teaching and research in philosophy

Co-operative 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

PHYSICS AND ASTRONOMY

TYPICAL OFFER

A-level: A*A*A-A*AA

IB: 39 – 38

Overall IELTS score of 6.0 (with no less than 5.5 in any component), or recognised equivalent

See also Engineering and Science with an Integrated Foundation Year

FIND OUT MORE...

www.manchester.ac.uk/physics

ug-physics@manchester.ac.uk

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, Blackett and, most recently, Geim and Novoselov, who received the prize in 2010 for their pioneering work on graphene.

Our research interests cover 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 physics; particle physics; laser photonics; nuclear physics; accelerator physics; biophysics; and theoretical physics.

Many of our physicists work at major experimental facilities around the world. Our research activities cover fundamental issues in physics as well as applied areas on which we work in close collaboration with international colleagues and with industry.

COURSE INFORMATION

Students may follow either a three-year BSc or a four-year MPhys degree in most of our courses. Final decisions on which route to take are made at the start of Year 3. This process involves some criteria associated with academic performance and students do not necessarily have to stick to the original choice they made when they applied.

For a full list of our courses, see www.manchester.ac.uk/physics

WHY MANCHESTER?

One of the largest and most respected schools of physics and astronomy in the UK, with two Nobel Laureates on our staff

State-of-the-art facilities for teaching and research, following a £75 million extension and refurbishment

Jodrell Bank Observatory, the internationally renowned centre for radio astronomy, is part of our School

Well-equipped laboratories, including rooftop optical and radio telescopes, plus extensive in-house computing facilities and a dedicated library

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.

Professor Sir Kostya Novoselov Physics and Astronomy research associate

Kostya 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 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.

"Academics here apply really huge efforts, in one-to-one tutorials and so on. The fact that it is 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.

"Our research work informs degree courses. We certainly have a few undergraduate lectures on our work, not only because we like the area we work in, but because it is a simple and elegant example of work that started from scratch."

A NOBEL PRIZE WINNER

"I learn from our students, they are often very open-minded. Probably the best advice is not to listen to advice. Try to be original – that is the only way forward."

PLANNING & ENVIRONMENTAL MANAGEMENT

TYPICAL OFFER

A-level: BBB

IB: 31

Overall IELTS score of 7.0 or more (with a minimum writing score of 7.0 and 6.0 in the other subsections), or recognised equivalent

See also Environmental Science and Geography

FIND OUT MORE...

www.manchester.ac.uk/planning

seed.admissions@manchester.ac.uk

The planning and management of the environment is increasingly important as governments and societies all over the world struggle to balance the demands of economic and sustainable development.

How did the places in which we live develop? Who decides what kinds of development take place and where? What decisions impact upon the state of the environment in our neighbourhoods – or indeed the planet – and how they are made? To engage with these challenging questions, we need a good understanding of the environment and its many interactive processes. We also need to understand the impact that different types of interventions have on the environment, whether in the form of a new settlement, or the designation of a protected landscape, as societies look to develop and move forward.

COURSE INFORMATION

All courses have a common Year 1 where students gain a broad introduction to the environment and the problems of dealing with cities and regions.

Environmental Management BA 3yrs, UCAS code F851

From Year 2 students undertake topics such as protected landscapes, rural management and sustainable cities. They undertake a rural field week and examine how the environment there is being managed. Options include a work placement with an organisation in environmental management, and a course unit from across the University. In Year 3 students develop strong practice-related skills in areas such as environmental law, environmental impact assessment, strategic environmental assessment, and project appraisal and auditing. Optional course units currently include sustainable communities, cities and consumption.

Geography Integrated Masters with Planning MGeog 4yrs, UCAS code F801

Students study Geography in Years 1 to 3 with a final year of postgraduate-level studies in Town Planning. They gain the knowledge and skills necessary for a professional career in planning and related areas. This course is accredited by the Royal Town Planning Institute (RTPI).

Town and Country Planning MTCP 4yrs, UCAS code K400

BA 3yrs, UCAS code K402

This four-year course leads to an enhanced undergraduate degree at masters level and full professional recognition by the RTPI. Alternatively, students can take the first three years and leave with a BA Honours degree that is still partially accredited by the RTPI.

Urban Studies BSc 3yrs, UCAS code K421

Students take a management and control approach to understanding how cities and their regions change, including an in-depth look at town planning and the management of rural environments. They undertake practical projects, looking at settlement planning, and a week's rural studies, usually in a nearby national park. Options include a course unit from across the University, or studying abroad for a semester.

In the final year the major problems of restructuring cities and regions are studied.

CAREER OPPORTUNITIES

Our academic and professional courses lead to diverse employment opportunities across the public and private sectors with more than half of the RTPI membership based in the private sector. Our graduates are in demand from a range of employers, particularly in the field of environmental consultancy, where their ability to analyse and propose policies and implement strategies is vital.

For graduates who decide not to follow a vocational career, their experience in problem solving, wide knowledge base and transferable skills in strategic thinking, teamwork, creativity and communication will prepare them for a number of other careers. A growing number of our graduates find jobs in non-planning areas, including business.

WHY MANCHESTER?

The world's first industrial city, now a vibrant 21st century metropolis, set between three national parks – an ideal study location

Field trips throughout our degrees, including residential field trips in the UK and overseas

Flexible courses with optional course units from across the University, and the chance to spend one semester studying abroad in Year 2

Strong professional links with planners, urban development professionals and environmental managers – provides possibilities for placements, client-based studies and employment opportunities

POLITICS AND INTERNATIONAL RELATIONS

TYPICAL OFFER

A-level: AAB

IB: 35

Overall IELTS score of 6.5 (with no less than 6.0 in each component), or recognised equivalent

See also Economic and Social Studies, History, Law, Politics, Philosophy and Economics, and Social Sciences

FIND OUT MORE...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk

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. This structure extends across everything we do, from undergraduate teaching to top-level research. Our internationally recognised experts work in all these areas. The largest UK unit of its kind, we offer a wide choice of topics, including British and American politics, ethics, comparative European politics,

WHY MANCHESTER?

Long-standing reputation for teaching and research in politics for more than 50 years

International reputation for research excellence

Extensive and diverse choice of relevant subject areas

the European Union, international relations, third-world politics, political theory, globalisation and gender.

COURSE INFORMATION

Politics and International Relations BSoSc
3yrs, UCAS code L200

Students specialise in politics within a global context on this Single Honours course, designed for those who wish from the outset to specialise in the study of politics and international relations.

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

Economics and Politics BA (Econ)
3yrs, UCAS code LL12
See also Economics

Social Sciences: Philosophy and Politics BA (SocSci)
3yrs, UCAS code VL52

Politics and Criminology BA (SocSci)
3yrs, UCAS code LM29

Politics and Social Anthropology BA (SocSci)
3yrs, UCAS code LL26

Politics and Sociology BA (SocSci)
3yrs, UCAS code LL23

Politics, Philosophy and Economics BA
3yrs, UCAS code LV25

Students study politics alongside a number of other social sciences subjects – criminology, philosophy, sociology and social anthropology – on this multidisciplinary degree. See also *Social Sciences*.

CAREER OPPORTUNITIES

Our graduates have become journalists, human rights campaigners, financial consultants, teachers, lobbyists, parliamentary researchers, graduate trainees, publishers and project management coordinators.

POLITICS, PHILOSOPHY AND ECONOMICS

TYPICAL OFFER

A-level: AAB

IB: 35

Overall IELTS score of 6.5 (with no less than 6.0 in any component), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/socialsciences

COURSE INFORMATION

Politics, Philosophy and Economics BA
3yrs, UCAS code LV25

Our Politics, Philosophy and Economics (PPE) degree is a structured yet flexible course, informed by current research, in which students look at significant topics, problems and issues. It enhances students' capabilities to critically evaluate competing arguments about political events, ideas and institutions; it helps them to develop the ability to effectively evaluate economic policies and places the study of economics in its broader institutional and political context. Students will develop the ability to evaluate and think through philosophical arguments and positions.

CAREER OPPORTUNITIES

The intellectual and analytical skills that our students acquire equip them for a wide range of careers. They are well placed to pursue careers in areas such as journalism, law, publishing, social work, government, management and financial consultancy. Some of our most recent graduates have successfully obtained positions at KPMG, Goldman Sachs, Lloyds, Alliance Financial Group and Shelter. Many others build on the excellent academic grounding that PPE offers by undertaking postgraduate study in one of the three disciplines.

WHY MANCHESTER?

Long-standing reputation for teaching and research in political economy for more than 50 years

International reputation for research excellence: third among social sciences faculties in the UK in terms of 'research power'

Access to the multidisciplinary expertise of more than 165 members of academic staff in our School of Social Sciences

Student-run PPE society meets regularly for academic support and social activities

PSYCHOLOGY

TYPICAL OFFER

A-level: AAB

IB: 35
(including 6, 6, 5 at
higher level)

**A minimum overall IELTS
score of 6.5, with no less than
6.5 in each component**

*See also Cognitive
Neuroscience and Psychology
(under Life Sciences)*

FIND OUT MORE...

www.manchester.ac.uk/psych-sci

ug-psychology@manchester.ac.uk

Students who choose Psychology at Manchester 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 challenging course is designed to meet the needs of students with different interests. We focus on areas where our research is strongest, so they get the most up-to-the-minute thinking and ideas in this exciting and challenging subject. 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.

COURSE INFORMATION

Psychology BSc
3yrs, UCAS code C800

This course has a four-year variant, where students spend Year 3 away from the University on the 'study abroad' pathway. Students gain a comprehensive foundation in the essential topics of psychology, with the ability to tailor studies to your own interests in the final year. We divide our course into two parts:

- Part 1 (Years 1 and 2): includes compulsory units giving students 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): students choose from a wide range of course units and carry out a research project on a topic of their choice, under

the supervision of a member of staff. This leads to a written report and presentation at the end of the year. We devote a lot of time to training our students 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.

STUDY ABROAD

Take this four-year course variant and spend Year 3 studying abroad. Students may be considered for this scheme at the end of Year 2.

WHY MANCHESTER?

Impressive history in teaching and research from a university that was at the forefront of the emergence of the discipline of psychology

Accreditation by the British Psychological Society – essential for a professional psychology career

Dynamic staff at the forefront of psychology research with excellent links to clinical psychology

Opportunity to study abroad for one year

CAREER OPPORTUNITIES

Psychology graduates are very employable. A Higher Education Careers Services Unit survey in 2012 revealed that Psychology graduates enjoy amongst the lowest levels of graduate unemployment, when compared with other disciplines.*

Our Psychology graduates gain a range of important academic and transferable skills that are attractive to employers across a range of sectors, including presentation skills, managing projects, group-working, data analysis skills, analytical thinking and research skills. Graduates from our course currently hold positions in areas as diverse as PR, marketing, media, accountancy, teaching, and social work.

Our degree is accredited by the British PBS as conferring eligibility for GBR, allowing graduates to go on to further study to pursue a career as a professional psychologist. A good proportion of our graduates become clinical, forensic, educational, occupational or health psychologists, or go on to research careers.

*Source: http://www.hecsu.ac.uk/current_projects_what_do_graduates_do.htm

RELIGIONS AND THEOLOGY

TYPICAL OFFER

A-level: AAB – BBB

IB: 36 – 31

**Minimum IELTS score of 7.0,
or recognised equivalent**

FIND OUT MORE...

www.manchester.ac.uk/religion

ug-relig-theol@manchester.ac.uk

We are a leading UK department for the study of religions and theology in a comparative context; our major competitors are overwhelmingly concerned with either Christian Studies or Jewish Studies alone. For three consecutive Research Assessment Exercises, our department has been ranked among the very best; we were the only department in the UK to be ranked as 6* – the top grade for outstandingly consistent excellence in research – from 2001 to 2008.

From our wide and varied choice of course units, students can study ancient Hebrew, Greek or Sanskrit; immerse themselves 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,

WHY MANCHESTER?

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

Judaism, Islam and South Asian religions; and become familiar with a wide range of religious histories and social theories.

CAREER OPPORTUNITIES

Knowledge and understanding of different cultural and religious beliefs are recognised by many employers as a valuable asset. Our students also 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 employment; and work within religious organisations, NGOs and many others.

RUSSIAN

See *Modern Languages*. Also see *European Studies, Linguistics and English Language, History, English Literature, History of Art, and Business and Management*

SOCIAL ANTHROPOLOGY

TYPICAL OFFER

A-level: ABB

IB: 34

Minimum IELTS score of 6.5 (with no component lower than 6.0), or recognised equivalent

See also *Economic and Social Studies, Social Sciences, Linguistics and English Language, and Religions and Theology*

FIND OUT MORE...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk

Social anthropology is the comparative study of culture and asks what it means to be human. Contemporary social anthropology is a critical discipline that tackles an enormous variety of topics. These include questions about how people make families, worship gods, and organise their economic and political lives. Manchester anthropologists look at the social implications of reproductive and

information technologies, they analyse the social meanings of consumer behaviour, they study violence, poverty and the means for resolving conflicts and alleviating human suffering.

Today we have one of the largest departments of anthropology in the UK. Our staff conduct research in Africa, Asia, the Middle East, Europe, Oceania and Latin America. We continue to focus on political issues, on cities, on both western and other parts of the world. We have also become particular specialists in visual and sensory media; the impact of new reproductive and genetic technologies; AIDS, sexuality and masculinities; cities, migration and infrastructures; urban and border politics; and crafts, play and worship.

In the past, Manchester anthropology led the way in confronting difficult political and moral issues concerning the colonial systems within which anthropologists originally worked. In addition, what became known as the Manchester School pioneered the anthropological analysis of cities, social networks, and anthropological research 'at home', on our own doorstep as well as in other parts of the world.

CAREER OPPORTUNITIES

Our graduates are fully prepared to move on to postgraduate studies, or to apply the skills they have learned in many career paths. Recent graduates are now working for local and national government and a range of NGOs, including relief and development agencies. Some are working in museums, cultural industries and conservation projects, while others have gone into filmmaking, radio, television broadcasting, journalism, the civil service, EU institutions, human resources, market research, industrial relations, advertising, law, accountancy and teaching.

WHY MANCHESTER?

Access to cutting-edge research and thinking that is recognised at an international level

Opportunities to explore visual, political, economic, urban and sensory anthropology, as well as anthropology of the media, science and technology

Opportunity to spend a year studying abroad at one of our worldwide partner universities

SOCIAL SCIENCES

TYPICAL OFFER

A-level: ABB

IB: 34

Overall IELTS score of 6.5 (with a minimum of 6.0 in each component), or recognised equivalent

FIND OUT MORE...

www.manchester.ac.uk/socialsciences

socialsciences@manchester.ac.uk

The Social Sciences have many areas of overlap. Through students' own selections from the extensive options we have available, they will be able to find connections and have the freedom to follow their own interests across disciplinary boundaries.

By giving students a broad foundation in the first year, during which they study at least three subjects, we also gives them flexibility in choosing what subjects to concentrate on further. Studying one or two main disciplines in the second and third years ensures that they gain a high level of knowledge in these by the end of their course.

Students do not need to have studied social sciences before. We are looking for applicants with high levels of interest and motivation, and the ability to make informed choices to shape their own customised degree programme.

On entry, students select one of the ten joint pathways listed below and use the associated course code. However, this does not restrict their eventual choice of area. For example, on any of the joint pathways students could specialise in a single subject in Year 2, subsequently graduating with an exit award in that one subject, if they wish.

COURSE INFORMATION

Philosophy and Criminology BA (SocSci)
3yrs, 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)
3yrs, UCAS code LL26

Politics and Sociology BA (SocSci)
3yrs, UCAS code LL23

Social Anthropology and Philosophy BA (SocSci)
3yrs, UCAS code LV65

Social Anthropology and Sociology BA (SocSci)
3yrs, UCAS code LL63

Sociology and Criminology BA (SocSci)
3yrs, UCAS code LM39

Sociology and Philosophy BA (SocSci)
3yrs, UCAS code LV35

In Year 1 students follow a broad programme of study that includes three areas from the following: philosophy, politics, sociology, criminology and social anthropology. This year enables students to make an informed choice of the subject areas they will study in later years. In Year 2 students either take most of their course units in a single area, or choose to work within two or three areas. In the Final year, students specialise in one area, or combine two areas of study. In total, more than 260 course units are available, giving a remarkable choice and the opportunity to put together a programme of study that is tailored to individual interests.

WHY MANCHESTER?

Dynamic, multidisciplinary social sciences degrees

Unique offering of course units with incredible choice

Access to cutting-edge research recognised at an international level

SOCIOLOGY

TYPICAL OFFER

A-level: BBB

IB: 32

IELTS overall score of 6.5 (with a minimum of 6.0 in each component), or recognised equivalent

See also Economic and Social Studies, History, Linguistics and English Language, and Social Sciences

FIND OUT MORE...

www.manchester.ac.uk/socialsciences/sociology

socialsciences@manchester.ac.uk

Twitter: @MCRSociology

With social changes affecting us all (globally, nationally, locally and individually), there could not be a more exciting or relevant time to study sociology – and there is no better nor more vibrant place at which to study it than Manchester.

Our courses introduce students to the principles and frameworks of sociology and enable them to develop skills in social analysis.

COURSE INFORMATION

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

Sociology BSocC
3yrs, UCAS code L300

Social Anthropology and Sociology BA (SocSci)
3yrs, UCAS code LL63

Sociology and Criminology BA (SocSci)
3yrs, UCAS code LM39

Sociology and Philosophy BA (SocSci)
3yrs, UCAS code LV35

Students take core course units about thinking and researching sociologically, and practical course units on research methods. They consider our 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.

They 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.

They also develop the skills to analyse contemporary social life and comprehend social processes, problems and developments, as well as various transferable skills demanded in today's job market.

CAREER OPPORTUNITIES

Sociology does not restrict students to a particular occupation. It is an ideal degree for them to distinguish themselves as skilled analysts and creative thinkers. Employers in many sectors are currently 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 our students gain in social research are a genuine asset in an economy increasingly focused upon the processing of complex information.

Our graduates enter a wide range of occupations, allowing them to keep their options open. Our graduates have taken up occupations in teaching, the police service, social and advisory work, law, research, policy development and implementation, media and journalism, retail, and trainee management.

WHY MANCHESTER?

Sociology was ranked joint first in the UK in the last Research Assessment Exercise in 2008 and has a very strong international reputation, particularly in relation to issues of social stratification and inequalities, personal life and everyday lives, social networks and social movements, and culture, consumption and sustainability

Staff expertise in a range of approaches to social analysis, quantitative and qualitative research methods, and historical and comparative approaches

Our BSocSc Sociology course places special emphasis on developing students' employment opportunities

SPANISH, PORTUGUESE AND LATIN AMERICAN STUDIES

See Modern Languages. Also see Linguistics and English Language, History, English Literature, Middle Eastern Studies, History of Art, and Business and Management

TEXTILES DESIGN AND FASHION BUSINESS

TYPICAL OFFER

A-level: AAB

IB: 35 – 33

Overall IELTS score of 6.0 (with no component below 5.5), or recognised equivalent

See also Economic and Social Studies, History, Linguistics and English Language, and Social Sciences

FIND OUT MORE...

www.manchester.ac.uk/materials

ug-textiles@manchester.ac.uk

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.

COURSE INFORMATION

All the courses described below also have four-year variants, where students spend Year 3 away from the University, on either the 'Study Abroad' or 'with Industrial Experience' pathway. All our courses are underpinned by core units in textile science and technology.

Fashion Management BSc 3yrs, UCAS code 3M89

This course provides students with an opportunity to focus on management theory in the textiles science and technology context of the fashion industry. It addresses contemporary management concepts stemming from changing organisational structures, complex environmental conditions, new technological developments and increasingly diverse work practices.

Our students develop the multidisciplinary skills necessary in today's competitive marketplace. They learn contemporary management approaches and techniques thoroughly grounded in the innovative world of fashion, and how these can be applied to all aspects of business, including brand management, design, production and the supply chain.

Fashion Marketing BSc 3yrs, UCAS code 3S61

This course has a strong focus on the unique way in which fashion products are marketed. Key marketing theory is studied with specialist emphasis on the interface between design, creativity and the commercial imperative. Students develop an understanding of fashion consumer behaviour, segmentation, targeting and positioning, as well as the external and internal influences on individual and organisational decision making.

A key feature of this course is the opportunity to study multimedia CAD packages in the context of brand concept, communication and application. The concepts of marketing most relevant to fashion, e.g. visual merchandising, public relations, social media and multichannel marketing, are given particular emphasis in this course.

Fashion Retail BSc 3yrs, UCAS code 6U72

This course provides students with an opportunity to focus on retail theory as well as textiles science and technology. The course is designed to equip students with specialist knowledge of aspects of retailing theory most relevant to the fashion sector. With an emphasis on the supply chain, the course provides an understanding of processes from manufacture, through distribution, to the point of sale, linking with consumer demand and operations management.

Students graduating from this course will typically go into a variety of roles in the retail sector, including store management, retail operations, logistics, merchandising and commercial strategy.

Fashion Buying and Merchandising BSc 3yrs, UCAS code 6G49

Fashion buying requires a strong commercial and analytical foundation. This course is designed to provide students with an appreciation of the creative fashion drivers needed to be a successful buyer, such as the ability to identify trends, as well as a solid understanding of the expertise required to ensure the commercial success of their products.

The strong textile science underpinning of the course offers students a unique understanding of the technical performance and construction of garments. The course also develops the numerical and data skills required in fashion buying and merchandising. The changing nature of the supply chain, including fast fashion and seasonal buying strategies, is also introduced.

CAREER OPPORTUNITIES

Employability and engagement with industry are key features of these courses. The School's annual 'Made in Manchester' event attracts employers such as Unilever, Matalan, M&S, ASOS and Next, who specifically target graduates of our courses.

Our placement record is outstanding and has been over many years with numerous companies actively recruiting our graduates. Many of our graduates have gone on to take up leading positions in industry, commerce and education throughout the world.

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, and 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.

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

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A

Accounting 3/4yrs BSc	N400	44, 45
Accounting and Finance BAEcon	NN43	44, 68
Actuarial Science and Mathematics BSc	NG31	92
Aerospace Engineering BEng	H400	45, 46
Aerospace Engineering MEng	H402	45, 46
Aerospace Engineering with Industrial Experience MEng	H406	45, 46
Aerospace Engineering with Management MEng	H4ND	45, 46
American Studies BA	T701	76
Anatomical Sciences BSc	B110	85
Anatomical Sciences with a Modern Language BSc	B114	85
Anatomical Sciences with Industrial/ Professional Experience BSc	B111	85
Ancient History BA	V110	59
Ancient History and Archaeology BA	VV14	47, 59
Arabic Studies BA	T624	98, 99
Archaeology BA	V400	47
Archaeology and Anthropology BA	VL46	47
Archaeology and Art History BA	VV43	47
Architecture BA	K100	48
Artificial Intelligence BSc	G700	61
Artificial Intelligence MEng	G702	61
Artificial Intelligence with Industrial Experience BSc	G701	61
Artificial Intelligence with Industrial Experience MEng	G703	61

B

Biochemistry BSc	C700	85
Biochemistry with a Modern Language BSc	C705	85
Biochemistry with Industrial/ Professional Experience BSc	C701	85
Biology BSc	C100	85
Biology with a Modern Language BSc	C106	85

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Biology with Industrial/ Professional Experience BSc	C101	85
Biology with Science and Society BSc	C1V3	85
Biology with Science and Society with Industrial/ Professional Experience BSc	C1L3	85
Biomaterials Science and Tissue Engineering BSc	J2BV	90
Biomaterials Science and Tissue Engineering MEng	BJ82	90
Biomaterials Science and Tissue Engineering with Industrial Experience MEng	J2B8	90
Biomedical Sciences BSc	B940	85
Biomedical Sciences with a Modern Language BSc	B9R9	85
Biomedical Sciences with Industrial/ Professional Experience BSc	B941	85
Biotechnology BSc	C560	85
Biotechnology with Industrial/ Professional Experience BSc	C561	85
Business Studies BAEcon	N100	52, 68
Business Studies and Economics BAEcon	NL11	52, 68
Business Studies and Politics BAEcon	NL12	52, 68, 110
Business Studies and Sociology BAEcon	NL13	52, 68, 116

C

Cell Biology BSc	C130	85
Cell Biology with a Modern Language BSc	C132	85
Cell Biology with Industrial/ Professional Experience BSc	C131	85
Chemical Engineering BEng	H800	53
Chemical Engineering MEng	H801	53
Chemical Engineering (Business Management) MEng	HN82	53
Chemical Engineering with Biotechnology MEng	H8C5	54
Chemical Engineering with Chemistry MEng	H8F1	54

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Chemical Engineering with Energy and Environment MEng	H8F4	53
Chemical Engineering with Environmental Technology MEng	H8F8	54
Chemical Engineering with Industrial Experience MEng	H803	54
Chemical Engineering with Study in Europe MEng	H810	54
Chemistry BSc	F100	55
Chemistry MChem	F109	55
Chemistry with Forensic and Analytical Chemistry MChem	F1F4	55
Chemistry with Industrial Experience MChem	F101	55
Chemistry with International Study MChem	F104	55
Chemistry with Medicinal Chemistry BSc	F150	55
Chemistry with Medicinal Chemistry MChem	F152	55
Chinese and Japanese BA	TT12	99
Chinese and Japanese IPML	TT1F	99
Chinese and Linguistics BA	TQ11	99
Chinese and Screen Studies BA	TW16	99
Chinese Studies BA	T100	99
Civil and Structural Engineering MEng	H220	58
Civil Engineering BEng	H200	58
Civil Engineering MEng	H201	58
Civil Engineering (Enterprise) MEng	H204	58
Civil Engineering with Industrial Experience MEng	H207	58
Classical Studies BA	Q810	59
Classics BA	Q800	59
Cognitive Neuroscience and Psychology BSc	BC18	86
Cognitive Neuroscience and Psychology with Industrial/ Professional Experience BSc	BCC8	86
Comparative Religion and Social Anthropology BA	VL66	113, 114
Computer Science BSc	G400	60
Computer Science MEng	G401	60
Computer Science with Industrial Experience MEng	I100	60
Computer Science and Mathematics BSc	GG14	62
Computer Science and Mathematics with Industrial Experience BSc	GG41	62

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Computer Science with Business and Management BSc	G4N2	62
Computer Science with Business and Management with Industrial Experience BSc	GNK1	62
Computer Science with Industrial Experience BSc	G405	60
Computer Systems Engineering BEng	HH66	61
Computer Systems Engineering MEng	GH4P	61
Computer Systems Engineering with Industrial Experience BEng	HHQ6	61
Computing for Business Applications BSc	G510	61
Computing for Business Applications with Industrial Experience BSc	G511	61
Criminology BA	M901	82

D

Dentistry (first-year entry) BDS	A206	63
Development Studies BAEcon	L900	68
Development Studies and Sociology BAEcon	LL93	116
Developmental Biology BSc	C141	85
Developmental Biology with a Modern Language BSc	C1R9	85
Developmental Biology with Industrial/ Professional Experience BSc	C143	85
Drama BA	W400	64
Drama and English Literature BA	WQ4H	64
Drama and Screen Studies BA	WW46	64

E

Earth Sciences MEarthSci	F640	65
Economics and Philosophy BAEcon	LV15	69
Economics BAEcon	L100	67, 68
Economics BEconSc	L102	67
Economics and Finance BAEcon	LN13	44, 69
Economics and Politics BAEcon	LL12	69, 110
Economics and Sociology BAEcon	LL13	69, 116
Electrical and Electronic Engineering BEng	H600	72
Electrical and Electronic Engineering MEng	H605	72

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Electrical and Electronic Engineering with Industrial Experience MEng	H601	72
Electronic Engineering - with Industrial Experience BEng	H613	73
Electronic Engineering - with Industrial Experience MEng	H615	73
Electronic Engineering BEng	H610	73
Electronic Engineering MEng	H614	73
Engineering with an Integrated Foundation Year (4/5yrs)	H108	74
English Language BA	Q1Q3	88
English Language and a Middle Eastern Language BA	QT36	88, 99
English Language and Chinese BA	QT31	88, 99
English Language and French BA	QR31	88, 99
English Language and German BA	QR32	88, 99
English Language and Italian BA	QR33	88, 99
English Language and Japanese BA	QT32	88, 99
English Language and Portuguese BA	RQ53	88, 99
English Language and Russian BA	QR37	88, 99
English Language and Screen Studies BA	QW36	88
English Language and Spanish BA	QR34	88, 99
English Language for Education BA	X3Q1	75
English Literature BA	Q320	76
English Literature and a Modern Language (French) BA	RQ13	76, 99
English Literature and a Modern Language (German) BA	RQ23	76, 99
English Literature and a Modern Language (Italian) BA	RQ33	76, 99
English Literature and a Modern Language (Portuguese) BA	QR35	76, 99
English Literature and a Modern Language (Russian) BA	RQ73	76, 99
English Literature and a Modern Language (Spanish) BA	RQ43	76, 99
English Literature and American Studies BA	QT37	76
English Literature and Linguistics BA	QQ13	76, 88
English Literature with Creative Writing BA	Q3W8	76
Environmental and Resource Geology BSc	F630	65
Environmental Management BA	F851	108
Environmental Science BSc	F850	77

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Environmental Science with a study abroad BSc	F750	77
Environmental Science with Industrial Experience BSc	F75Z	77
European Studies and a Modern Language (French) BA	RR19	78, 99
European Studies and a Modern Language (German) BA	RR29	78, 99
European Studies and a Modern Language (Italian) BA	RR39	78, 99
European Studies and a Modern Language (Portuguese) BA	RR59	78, 99
European Studies and a Modern Language (Russian) BA	RR97	78, 99
European Studies and a Modern Language (Spanish) BA	RR49	78, 99

F

Fashion Management BSc	3M89	118
Fashion Marketing BSc	3S61	118
Fashion Retail BSc	6U72	118
Fashion Buying and Merchandising BSc	6G49	119
Finance BAEcon	N300	44, 69
French and Chinese BA	RT11	99
French and Chinese IPML	TR11	99
French and German BA	RR12	99
French and German IPML	RRC2	99
French and Italian BA	RR13	99
French and Italian IPML	RRC3	99
French and Japanese BA	RT12	99
French and Japanese IPML	RT1F	99
French and Linguistics BA	RQ11	99, 88
French and Portuguese BA	RR15	99
French and Russian BA	RR17	99
French and Russian IPML	RRC7	99
French and Screen Studies BA	RW16	99
French and Spanish BA	RR14	99
French and Spanish IPML	RRC4	99
French Studies BA	R110	99

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Genetics BSc	C400	85
Genetics with a Modern Language BSc	C402	85
Genetics with Industrial/ Professional Experience BSc	C401	85
Geochemistry BSc	F670	65
Geography BA	L700	79
Geography BSc	F802	79
Geography (Integrated Masters) (with Planning) MGeog/GIM	F801	108
Geography (Integrated Masters) MGeog/GIM	F800	79
Geography and Geology BSc	FF68	65
Geography and Geology with a Year Abroad BSc	FF86	66
Geography with International Study BA	LF78	79
Geography with International Study BSc	FL87	79
Geology BSc	F600	66
Geology with Planetary Science BSc	F6F5	66
Geology with Planetary Science MEarthSci	F6FM	66
German and Chinese BA	RT21	99
German and Chinese IPML	TR12	99
German and Italian BA	RR23	99
German and Italian IPML	RRF3	99
German and Japanese BA	RT22	99
German and Japanese IPML	RT2F	99
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German and Portuguese BA	RR25	99
German and Russian BA	RR27	99
German and Russian IPML	RRF7	99
German and Screen Studies BA	RW26	99
German and Spanish BA	RR24	99
German and Spanish IPML	RRF4	99
German Studies BA	R210	99

H

Hebrew and Israel Studies BA	Q4T6	98
History BA	V100	80
History and American Studies BA	VT17	80, 76
History and French BA	VR11	80, 99

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History and German BA	VR12	80, 99
History and Italian BA	RV31	80, 99
History and Portuguese BA	RV51	80, 99
History and Russian BA	RV71	80, 99
History and Sociology BA	VL13	80, 116
History and Spanish BA	VR14	80, 99
History of Art BA	V360	49
History of Art and a Modern Language (French) BA	RV13	49, 99
History of Art and a Modern Language (German) BA	RV23	49, 99
History of Art and a Modern Language (Italian) BA	RV33	49, 99
History of Art and a Modern Language (Portuguese) BA	RV53	49, 99
History of Art and a Modern Language (Russian) BA	RV73	49, 99
History of Art and a Modern Language (Spanish) BA	RV43	49, 99
History with Integrated Masters	V101	80
Information Technology Management for Business BSc	GN51	51
Information Technology Management for Business with Industrial Experience BSc	GN5C	51
International Business, Finance and Economics BSc	N1N3	50
International Management BSc	N247	51
International Management with American Business Studies BSc	N2T7	51
Internet Computing BSc	G450	61
Internet Computing with Industrial Experience BSc	G451	61
Italian and Chinese BA	RT31	99
Italian and Chinese IPML	TR13	99
Italian and Japanese BA	RT32	99
Italian and Japanese IPML	RT3F	99
Italian and Linguistics BA	RQ31	99
Italian and Portuguese BA	RR35	99
Italian and Russian BA	RR37	99
Italian and Russian IPML	RRH7	99
Italian and Screen Studies BA	RW36	99
Italian and Spanish BA	RR34	99
Italian and Spanish IPML	RRH4	99
Italian Studies BA	R300	99

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J		
Japanese and Screen Studies BA	TW26	99
Japanese Studies BA	T200	99

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L		
Latin American Studies and Screen Studies BA	TW76	99
Latin and English Literature BA	QQ36	76, 99
Latin and Italian BA	QR63	99
Latin and Linguistics BA	QQ61	99, 88
Latin and Spanish BA	QR64	99
Latin with French BA	Q6R1	99
Law LLB	M100	82
Law with Criminology LLB	M1M9	82
Law with Politics BA	M1L2	82
Law with Politics LLB	LM21	82
Learning Disability Studies BA	B760	83
Life Sciences BSc	C102	84, 85
Life Sciences with a Foundation Year (4/5yrs)	C900	87
Life Sciences with a Modern Language BSc	C103	85
Life Sciences with Industrial/ Professional Experience BSc	C105	85
Linguistics BA	Q100	88
Linguistics and Japanese BA	QT12	88, 99
Linguistics and Middle Eastern Languages BA	QT16	88, 98, 99
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Linguistics and Social Anthropology BA	QL16	88
Linguistics and Sociology BA	QL13	88
Linguistics and Spanish BA	QR14	88, 99

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Management BSc	N201	51
Management (Accounting and Finance) BSc	NN24	51
Management (Human Resources) BSc	N600	51

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Management (Innovation, Sustainability and Entrepreneurship) BSc	N200	51
Management (International Business Economics) BSc	N246	51
Management (International Studies) BSc	N120	51
Management (Marketing) BSc	N2N5	51
Materials Science and Engineering MEng	J501	90
Materials Science and Engineering with Industrial Experience MEng	J503	90
Materials Science and Engineering BSc	J500	90
Mathematics BSc	G100	91
Mathematics MMath	G104	91
Mathematics and Philosophy BSc	GV15	92
Mathematics and Physics BSc	FG31	105
Mathematics and Physics MMathandPhys	FG3C	105
Mathematics and Statistics BSc	GGC3	92
Mathematics and Statistics MMath	GG13	92
Mathematics with a Modern Language BSc	G1R9	92
Mathematics with Business and Management BSc	G1N2	92
Mathematics with Finance BSc	G1N3	92
Mathematics with Financial Mathematics BSc	G1NH	92
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Mechanical Engineering BEng	H300	93
Mechanical Engineering MEng	H303	93
Mechanical Engineering with Industrial Experience MEng	H301	93
Mechanical Engineering with Management BEng	H3N1	93
Mechanical Engineering with Management MEng	H3ND	93
Mechatronic Engineering BEng	HH36	73
Mechatronic Engineering MEng	HHH6	73
Mechatronic Engineering with Industrial Experience BEng	HH63	73
Mechatronic Engineering with Industrial Experience MEng	HHP3	73
Medical Biochemistry BSc	C724	85
Medical Biochemistry with Industrial/ Professional Experience BSc	C741	85
Medicine MBChB	A106	95

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Microbiology BSc	C500	85
Microbiology with a Modern Language BSc	C502	85
Microbiology with Industrial/ Professional Experience BSc	C501	85
Middle Eastern Language and a Modern European Language BA	TR69	99
Middle Eastern Languages BA	T608	99
Middle Eastern Studies and a Middle Eastern Language (Arabic) BA	T610	98
Middle Eastern Studies and a Middle Eastern Language (Hebrew) BA	T6Q4	98
Middle Eastern Studies and a Middle Eastern Language (Persian) BA	T613	98
Middle Eastern Studies and a Middle Eastern Language (Turkish) BA	VT61	98
Middle Eastern Studies BA	T601	98
Middle Eastern Studies and Screen Studies BA	TW66	98
Modern History with Economics BA	V136	80
Modern Language and Business and Management (Arabic) BA	TN61	50, 98
Modern Language and Business and Management (Chinese) BA	NT11	50, 99
Modern Language and Business and Management (French) BA	NR11	50, 99
Modern Language and Business and Management (German) BA	NR12	50, 99
Modern Language and Business and Management (Italian) BA	NR13	50, 99
Modern Language and Business and Management (Japanese) BA	TN92	50, 99
Modern Language and Business and Management (Portuguese) BA	NR15	50, 99
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Our Student Charter, developed jointly by the University and the Students' Union, is an important part of how we establish and maintain clear mutual expectations for the experience of all students. It sets out what we can expect from each other as partners in a learning community. The Charter provides an overview of the Manchester experience and refers to regulations, policies and procedures.

You can find the full Student Charter at: www.studentnet.manchester.ac.uk/enhancing-my-experience/charter

EQUALITY AND DIVERSITY

We have a comprehensive equality and diversity policy covering admissions, all aspects of teaching and examining, and access to University benefits, facilities and services.

Further information, confidential advice and guidance are available from the Equality and Diversity Unit:

t +44 (0)161 306 5857
text: +44 (0) 7943 600 656
equalityanddiversity@manchester.ac.uk
www.manchester.ac.uk/equalityanddiversity

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

Candidates with additional support needs can contact the University Disability Support Office (DSO). They can offer confidential advice and candidates can discuss any support needs they may have, the arrangements which may be necessary, and the extent to which appropriate support may be available. In addition to supplying support and guidance, a member of the DSO will be pleased to meet candidates by prior arrangement, if they would like to discuss their requirements in person.

Additionally, the Admissions Officer of the School in which candidates are interested can provide advice about aspects of the course.

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We encourage all candidates to review this page before accepting an offer from us.

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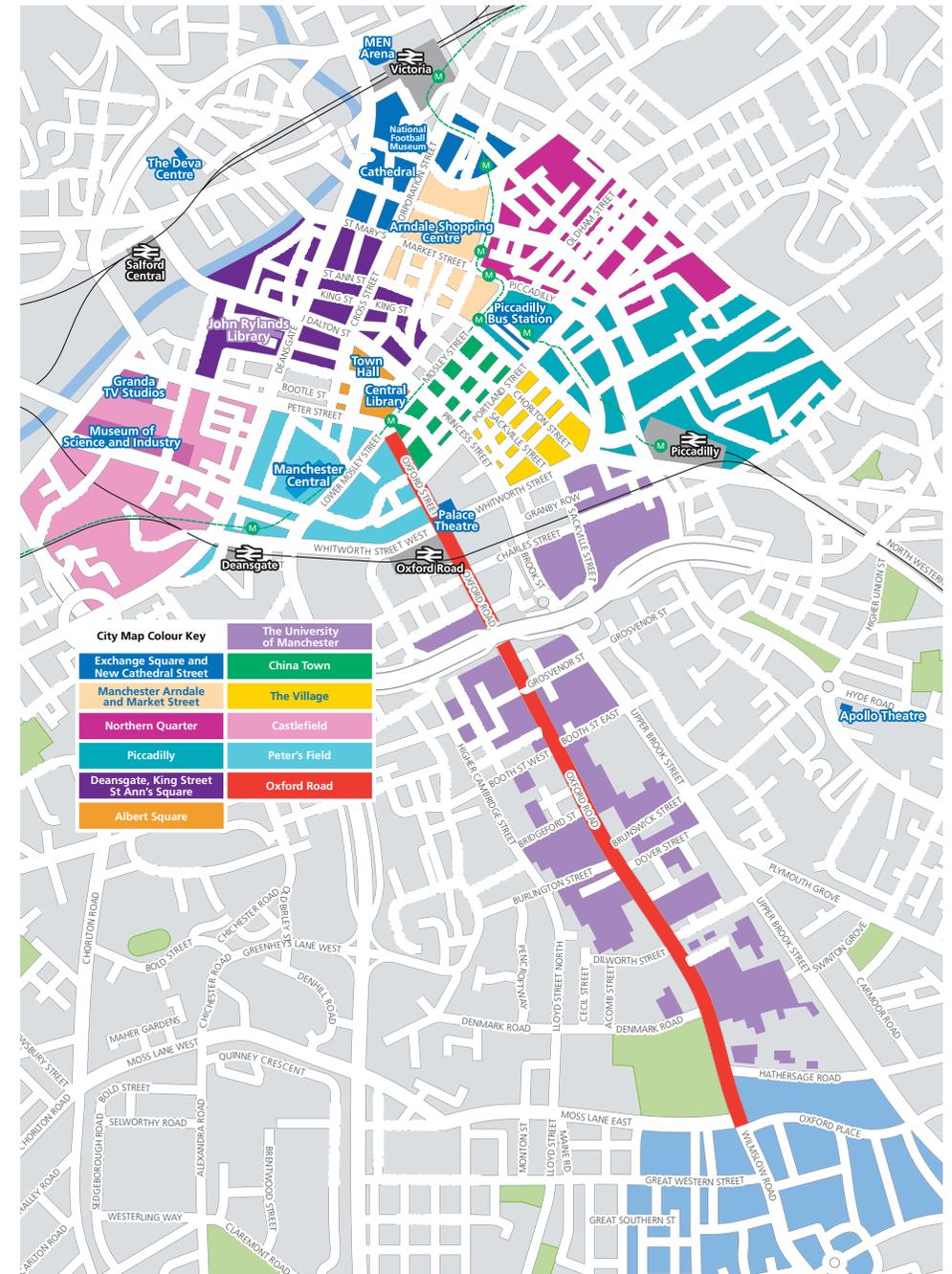
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