

STUDY ABROAD

at The University of Manchester

2011/2012



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Marcus Potts

Brown University, USA

"Whilst a student at Brown University, I never expected to study abroad for a semester at The University of Manchester. It is ironically true when Forrest Gump said, "life is like a box of chocolates, you never know what you're gonna get." Initially having other reasons to study abroad, Manchester became more than I anticipated.

"With Manchester as the second largest city in the UK, there were plenty of activities and events to dive into (eg watching premiership football games, playing football at various locations, attending concerts and taking a night out at the pub) while simultaneously having plenty of time to rest and relax when needed. When it comes to the level of difficulty for the coursework, it is subjective but a consensus is that one learns a great deal from the lectures due to the proficiency of the professors. With a reputable history as the home of so many Nobel Prize laureates, the university is indeed a place of academic excellence - notable for having a quality of education that rivals the top universities in the country and the world.

"From my experience in Manchester, I have been reminded to 'carpe diem' because you truly don't know what you're gonna get. Furthermore, if you were in my shoes, one would agree that Manchester is a place where "time flies when you're having fun". Summarily, my student experience - the concerts, football games, pubs, the academics and much more - was the experience of a lifetime that I will never forget."



Welcome

to The University of Manchester

The University of Manchester is one of the top universities in Europe and indeed in the world, internationally recognised for both its teaching quality and research excellence. We have teaching and research in more subjects than any other single-site British university, and as a consequence of our academic structure we are able to offer a very wide range of courses to students who choose to study abroad here.

The University of Manchester is one of Britain's most famous civic universities with a rich heritage of cutting-edge innovation and enterprise stretching back more than 180 years. Many of the major advances of the 20th century began at the University, including work by Rutherford leading to the splitting of the atom, and the development of the world's first modern computer in 1948. Not only are study facilities first class but in the Whitworth Art Gallery, the Manchester Museum and the Contact Theatre you can spend your lunchtime gazing at a Hockney, marvelling at astonishingly-preserved Egyptian mummies or seeing some of the best of contemporary theatre. The University – like Manchester itself – is a truly cosmopolitan community which last year welcomed students from almost 180 different nations. The vibrant campus and energy of the surrounding city creates an environment that provides an exciting place to live, study and explore.

The largest single-campus university in the UK, we provide students with some of the best university facilities in the country. The John Rylands University Library (JRUL) is the largest non-legal-deposit academic library in the country. The JRUL provides a large number of services and resources, including the most extensive range of electronic resources of any UK higher education library. Manchester is now the most powerful university computing centre in the United Kingdom and one of the largest supercomputer centres in the world. The current £650 million investment plan is enhancing the University's excellent facilities further with an array of new developments including state-of-the-art laboratories.

As a student here you will be well catered for – and you can be certain that you will be studying at a University with a long and distinguished record of academic achievement. Twenty two of our former staff and students have gone on to become Nobel Prizewinners and our graduates include: novelist Anthony Burgess, philosopher Wittgenstein, flight pioneer Arthur Whitten-Brown, and women's rights campaigner Christabel Pankhurst. As a student at The University of Manchester you can have the confidence of belonging to an academic community of distinction, with over 35,000 students drawn from across the world, and more than 5,500 academic and research staff, including many with international reputations in their subjects.



Study Abroad Programme at Manchester

If you are currently enrolled as a degree-seeking student at any accredited university or college of higher education outside of the United Kingdom, you can apply to spend a semester or full year here at The University of Manchester, usually earning credit towards the degree you will receive from your home university. Students find that spending a period of study at one of the world's best universities is not only a great experience in and of itself, but also enhances their academic insights, employability and life skills.

You can choose from a wide range of subjects to construct your academic Study Abroad Programme, and, subject to meeting pre-requisites, you are not restricted to studying within one discipline area. We also offer a number of specialist Pathways, which enable Exchange and Study Abroad fee-paying students to focus on areas such as Pre-Law, Leadership and Service, and English Language. Details of these Pathways can be found on page 20-21.

You can apply to join our Study Abroad Programme as either an Exchange student or a Study Abroad fee-paying student.

Study Abroad fee-paying students

If you are currently studying at a university outside the UK with whom Manchester does not have a reciprocal exchange agreement, you can apply to join our Study Abroad Programme for a single semester or full academic year as a Study Abroad fee-paying student.

You can apply to join us directly, using our online application process; via Arcadia, CCSA or Eurolearn (US students); or (where we are an approved/sponsored programme) via your home university's Office of International Programmes.

Tuition fees are payable for your study with us.

Exchange students

The University of Manchester has exchange partners around the world. These partnerships enable eligible students based at these partner universities to spend either a year or semester with us, usually without independently paying any fees to The University of Manchester.

To be eligible to join us as an Exchange student, your home university must nominate you. Some of our exchange agreements allow students from any discipline to join us, whilst others are only open to students from specific disciplines.

'Exchange Extra'

If you study at an exchange partner university, but are not eligible to join us as an Exchange student (for example, because there are insufficient places in a particular year, or because your discipline area is not covered by the exchange agreement), you can apply to join us as a Study Abroad fee-paying student, and will receive a 10% 'Exchange Extra' discount off the regular study abroad tuition fee.



Current exchange partners

ARGENTINA

Universidad Del Salvador

AUSTRALIA

Australian National University
The University of Melbourne
The University of Queensland
The University of Sydney

BRAZIL

Universidad Federal da Paraiba
Universidad de Sao Paulo

CANADA

McGill University
Queen's University
University of British Columbia
University of Calgary (Civil Engineering)
University of Toronto

CHILE

Pontifica Universidad Catolica de Chile

CHINA

Beijing Normal University (Humanities)
East China Normal University (Humanities)
Fudan University (Humanities)
Nanjing University (Humanities)
Renmin University (Humanities)
Shandong University (Humanities)
Sun Yat-Sen University (Humanities)
Tsinghua University
Zhejiang University (Humanities)

HONG KONG

Chinese University of Hong Kong (Humanities)
Hong Kong Polytechnic University (Textiles)
University of Hong Kong

INDIA

National Institute of Fashion Technology
(Textiles)

ISRAEL

Hebrew University of Jerusalem (Humanities)

JAPAN

Chuo University (Humanities)
Dokkyo University (Humanities)
Hiroshima University (Humanities)
Hitotsubashi University (Humanities)
Hokkaido University (Humanities)
Kansai Gaidai University (Humanities)
Kansai University (Humanities)
Keio University (Humanities)
Kobe University (Humanities)
Kwansei Gakuin University (Humanities)
Kyoto University
Meiji Gakuin University (Humanities)
Meiji University (Humanities)
Ochanomizu University (Humanities)
Osaka University (Humanities)
Rikkyo University (Humanities)
Ritsumeikan University (Humanities)
Saitama University (Humanities)
Tokyo University of Foreign Studies (Humanities)
University of Tokyo (Humanities)
Waseda University (Humanities)
Yamagata University (Humanities)

KOREA

Seoul National University

MEXICO

Universidad de las Americas, Puebla

NEW ZEALAND

University of Auckland

SINGAPORE

Nanyang Technological University
National University of Singapore
Singapore Management University (Law)

TAIWAN

National Taiwan University (Humanities)

URUGUAY

Universidad ORT Uruguay

UNITED STATES OF AMERICA

Arizona State University
North Carolina State University
Rutgers, The State University of New Jersey
SUNY - Stony Brook (Life Sciences)
University of California
University of Illinois - Urbana-Champaign
University of Maryland - College Park
University of Massachusetts - Amherst
University of Missouri - Columbia
University of North Carolina - Chapel Hill
University of Tennessee - Knoxville
Wellesley College

European exchanges

We also have departmental exchange partnerships with many European universities under the Erasmus scheme. Separate literature is available detailing this exchange option – please enquire for further details.

Please note that the Manchester Business School have their own exchange partners – please see:
www.mbs.ac.uk/undergraduate/international
for details.



Support

at The University of Manchester

Accommodation

The University offers you a wide range of residential accommodation, ranging from modern self-catering apartments through to traditional collegiate-style halls of residence. Your residence is the place where you'll meet new friends and spend a lot of your free time. They are self-contained communities with their own bars, common rooms and a hectic programme of social activities. Additionally, halls of residence have their own sports teams – rugby, hockey, cricket, netball and squash are just some of the sports available – and some have other social groups in-house – orchestras, choirs, drama and other societies.

More information about housing can be found on the Accommodation Office's website: www.manchester.ac.uk/accommodation

Your application for housing can also be made via this site.

Students studying abroad at Manchester for a year are guaranteed a room in University accommodation, whilst students coming for one semester only, although not guaranteed accommodation, will almost certainly be allocated University accommodation under normal circumstances. Some halls have specially adapted flats or rooms for students with a disability and some catered halls are able to assist if you have special dietary requirements.

Please note that in catered residences, catering is not provided during University vacation periods.

Students' Union

The University of Manchester Students' Union is an organisation run by and for all students at The University of Manchester – it is autonomous from the University and is democratically controlled at all levels by students. It exists to provide cultural, recreational, educational support and representation for all its members.

A myriad of societies, run by and for students, are organised within the Students' Union. Whether you're into Hiking or Hung Kuen Kung Fu, you're sure to find at least one that appeals to you. If you fancy yourself as a journalist then 'Student Direct' – the official weekly student newspaper for all Manchester universities – could be the springboard to such high-minded ambitions. The newspaper's standard is high – contributors are regular winners of the coveted Guardian Student Media awards. But even if you're a journalistic beginner, your opinion and writing matters; the newspaper's ethos is to welcome contributions from all students. The same goes for Fuse FM, the University's radio station. Many who get involved here end up presenting or producing their own radio show. And, if you want to make the news rather than cover it, then the prospects are also abundant. Many eminent politicians and lobbyists come through the ranks of student politics, and in the last few years The University of Manchester Debating Society has established itself as one of the most highly-rated in the country.

Safety and security

The University makes student safety one of its highest priorities: CCTV cameras are sited throughout campus areas and at each hall; security guards man campus entrances and patrol hall grounds twenty-four hours a day; and every hall has a swipe-card entry system.

Airport collection

The University runs an Airport Collection Scheme in September each year. The service, which is free of charge for new students, is designed to give all new international students a warm welcome to the University and the city of Manchester.

A team of international student volunteers, based at Manchester International Airport, will help you get to your accommodation and answer any questions you may have.

Orientation course

To help you find your feet in your new environment the University offers an orientation course for all new international students, including sessions specifically tailored to students who are studying abroad for a semester or a year at the University.

In addition, all students receive an arrival guide which contains a wealth of practical information to help you prepare for your time at the University.

Disability Support

Support is available to all students with any kind of disability, whether this be a physical or sensory impairment, medical condition, learning difficulty, mental health need, or any other condition which has a long-term adverse effect on study. The University's Disability Support Office (www.manchester.ac.uk/dso) is available to assist with any support needs.



Study Abroad Unit



Dr Caroline Whitehand
Study Abroad Manager,
Study Abroad Unit

We're delighted that you're considering Manchester for your period of study abroad. We welcome hundreds of students from all across the world to the University each year and we look forward to seeing you in the near future!

The Study Abroad Unit is dedicated to dealing with the needs of students studying abroad at The University of Manchester and offers a single point of contact to deal with all aspects of your period of study, both before and after you arrive. We deal with applications, the study abroad mentor scheme, academic advising, transcripts and housing, and are the connecting point for contact with all academic schools and administrative offices, welfare and counselling services. The Study Abroad Unit

staff have considerable experience of dealing with students studying abroad and, if you want any information or advice or have any problems, we hope you will always come to us as your first port of call.

You may meet one or more of us at your home university at various points throughout the year - the Office of International Programs at your home university will be able to advise you if we have scheduled a visit.

Paula Armani

Universidad del Salvador, Argentina.

"The Study Abroad Unit has been very helpful. Every detail is taken into account and everything is well organised and explained. It is important to know that there is a hard-working team you can turn to for help"



For **Study Abroad** applicants, your initial point of contact is:
Stephanie Nixon, Study Abroad Officer.

email studyabroad@manchester.ac.uk
tel +44 (0)161 275 7385
fax +44 (0)161 275 2058



For **Non-EU Exchange** applicants, your initial point of contact is:
Sarah Bloor, Study Abroad Adviser
(Incoming Students):

email exchangestudy@manchester.ac.uk
tel +44 (0)161 275 8021
fax +44 (0)161 275 2058

website:
www.manchester.ac.uk/international/studyabroadandexchanges



Manchester

cultural capital of the north

Why choose Manchester? You couldn't choose a better place to be a student! The City is home to the largest student population in Western Europe, and the University itself is at the heart of Manchester, so the city centre will play a big part in your life during your time with us.

Sounds of the City

Musically, the city cannot be surpassed. This is the city responsible for Oasis, New Order, The Smiths, Take That, Badly Drawn Boy, and countless others. Classical music lovers also have a wide choice including the Bridgewater Hall (where the Hallé and the BBC Philharmonic orchestras perform) and the Royal Northern College of Music. For those that prefer more sax in their city, check out the latest jazz sounds at Band on the Wall or Matt and Phreds. Bigger names play at The Academy, on campus right next to the Students' Union, meaning you can conveniently collect rock stars' signatures on the back of lecture notes.

Theatre and Film

Theatre and film is at the heart of Manchester's cultural scene. The University's own theatre and arts venue, Contact, won the Art04 Award for outstanding achievement. Manchester is also the true cine city. As well as swarms of multiplex cinemas, there's the Cornerhouse cinema only a short walk from the University – which tends to show more leftfield, foreign and arthouse flicks. They also enlist directors and prominent commentators regularly for a post-film tête-à-tête and workshops. Kinofilm, the renowned multicultural Manchester International Short Film Festival is held in October.

Sport

Manchester is home to world class sports facilities such as the city of Manchester Stadium, the National Squash Centre, the North West Regional Basketball Centre and Manchester Velodrome (Britain's only indoor Olympic cycle track), which were all venues for the 2002 Commonwealth Games. Manchester United are probably the city's most famous export – their Old Trafford football ground seats around 76,000 and is the largest club ground in Britain. Cricket enthusiasts can check out rising stars at Lancashire's Old Trafford ground.

For those who prefer to play sport, the University Athletics Union offers clubs from Archery to Yachting; in addition, there are many local amateur teams that welcome students. As you would expect with a city of massive sporting reputation, the campus has many excellent sports facilities all offering student discounts. For example, the Manchester Aquatics Centre, which was purpose built for the 2002 Commonwealth Games, is one of our premier sports facilities with state-of-the-art pools and a large fitness suite. Also on campus, you'll find the modern Sugden Sports Centre and near to Owens Park halls of residence is the Armitage Centre with facilities for five-a-side football, badminton, squash, martial arts and weight-lifting.

Art and Museums

Manchester's galleries and museums are world class. The University of Manchester's Whitworth Art Gallery is home to an impressive range of watercolours, prints, drawings, modern art and sculpture, as well as the largest collections of textiles and wallpapers outside London. Other popular galleries in Manchester include The Lowry, the award-winning Manchester Art Gallery, the contemporary Cube gallery and the Chinese Arts Centre. Located on campus the University's own Manchester Museum has won plaudits and awards, and like many in the city, offers free entry. The Imperial War Museum North, the Museum of Science and Industry, and Urbis are also not to be missed.

Fashion flare

You may not be a student of Fashion Retailing, but you'll probably still be pleased to know that Manchester has an enviable range of big high street and designer names, bargain boutiques and chic boulevards. Selfridges, Harvey Nichols, Patrick Cox, Vivienne Westwood, Armani, DKNY, Hugo Boss and Paul Smith all have sprawling stores in the city centre. The nearby Trafford Centre – a 150 acre out-of-town shopping and leisure mall – is also home to around 280 high street and designer outlets. Many students also enjoy browsing in Afflecks Palace and other second hand and independent stalls in the city's Northern Quarter.



Taste sensations

Manchester is a truly cosmopolitan city. Waves of immigrant communities – German, Jewish, Irish, Italian, West Indian, Chinese, Indian and Pakistani to name but a few – have nestled snugly into the city, adding their customs and cultures to the melting pot. Check out Rusholme’s Curry Mile, a yellow brick road of neon-lit restaurants. As the name suggests, Rusholme’s bhanga-blasting music shops and exotic fruit and veg stores aren’t the real reason for its fame. Each week, 15,000 people flock here to savour curry in the 50 or so outlets that make up Europe’s highest concentration of Asian eateries. Aside from Greek, Italian and Armenian cuisine, there’s also the bustling Chinatown centred around the impressive Ming Dynasty Imperial Arch, with famous restaurants such as Charlie Chans and Yang Sing.

If you want to cook for yourself and you want something other than traditional English food, you’ll be able to find a range of international food including Halal and Kosher products in areas like Chinatown and Rusholme (which has a large Asian community) and in most supermarkets. There is a large Chinese supermarket just five minutes walk from the University and there are vegetarian and international cafés on campus. There are regular Farmers’ Markets selling fresh, local produce, and seasonal European and international Markets visit the city on a regular basis.

Religions and Faiths

Manchester is a large cosmopolitan city, with places of worship for the vast majority of faiths and religions available on campus and in the city. There are two chaplaincy centres for the major Christian churches on campus. St Peter’s House provides Chaplains for the Anglican, Baptist, Methodist and United Reformed Churches, while the Roman Catholic Chaplaincy is at Avila House.

Two Prayer Rooms are provided on campus, and a number of Mosques are conveniently located near to the University and student areas.

There are many Buddhist Centres across the city, various Jewish synagogues, and facilities for Sikh and Hindu worship close to the popular residential areas for students. There are also student societies for many of the major religions.

Location, Location, Location

While Manchester has a beguiling way of claiming your heart, we know that you will want to explore beyond the city and even perhaps beyond Britain whilst you are studying with us. Because of its prime location on the national and international network of airline routes, rail links and motorways, Manchester operates as a gateway to all areas of the country and to the rest of Europe. There are direct flights from Manchester International Airport to all major European cities. Closer to Manchester you can find the Lake District National Park and Snowdonia National Park, and closer still beautifully maintained country houses and parkland dating from as early as the 15th century.

Weather in Manchester

Like the rest of the UK, the weather in Manchester can be described as ‘changeable’. Manchester however has a more temperate climate than the east of England, for example. In the summer, you can expect long sunny days, when students like to make use of the green areas on-campus and the many parks that are nearby. The winter months can be cold with occasional light snowfall, and rain can fall at any time of year, so pack an umbrella!

Facts about Manchester

Population Greater Manchester: 2.5 million

Number of passengers using Manchester Airport each year 19 million

Theatre/cultural Seats 43,593

Professional orchestras 3

Nightclubs 164

Galleries/Museums 61

Cinema screens 159

Number of local pop acts since 1960 to sell two million albums or more 23

Professional Football Clubs 8

Sports seats in professional stadia 348,636

Natural/regional cuisines 35

Languages spoken 40

Number of major independent breweries 4

Number of microbreweries 12

Number of UFO Landing Sites 1

Source www.manchestersonline.co.uk/tourist/greatermanchesterstatistics

20 THINGS WE LOVE ABOUT MANCHESTER

- 1 Bonfire Night in Platt Fields Park
- 2 A Champions League match at Old Trafford
- 3 Manchester Mardi Gras along Canal Street
- 4 Catching a massive band at the MEN Arena
- 5 Doing the Manchester Midnight Walk on a warm June evening
- 6 A Saturday night in the bars and clubs in the city centre
- 7 Eid on the neon Curry Mile
- 8 Hot chocolate in the Contact Theatre Lounge
- 9 Petals scattered all over the campus in the Spring
- 10 Shopping at the Trafford Centre just before Christmas
- 11 All day breakfasts in the cafes in Didsbury
- 12 The ‘Viva’ Latin American Film Festival at the Cornerhouse
- 13 Cheering on the crews in the Manchester vs Salford University Boat Race
- 14 A Manchester United vs Manchester City derby match
- 15 Travelling to Blackpool for the illuminations on a crisp November night
- 16 Hopping over to Europe for the weekend on a budget airline
- 17 Chinese New Year celebrations in Chinatown
- 18 Never having to wait more than 5 minutes for a bus, even at midnight
- 19 Snowboarding at The Chill Factor in the middle of summer
- 20 The view from the Manchester Eye in Exchange Square



Subject areas

Teaching: Innovation and Quality

The University's academic excellence is complemented by its track record of providing innovative courses that place us at the forefront of teaching and learning. Our strong research profile means that teaching is constantly kept up to date with the latest thinking and technology. You will be taught by acknowledged experts and international leaders and your syllabus will be informed by the very latest knowledge.

Manchester is an international leader in an 'enquiry based' approach to teaching. This is where you will follow your own lines of interest and discussion. This means that you will formulate your own ideas and opinions, as well as drawing on academic expertise. It has been proven that this approach equips you better for leading roles after you have graduated. The curriculum is also becoming more and more cross-disciplinary meaning that you will meet students from other disciplines to explore ideas from alternative perspectives. At The University of Manchester you will be involved in a variety of teaching methods, with e-Learning and lab based work alongside more traditional lectures and seminars.

Assessment

If you are studying with us during the Fall semester only, and your home university's Spring semester starts in early January, it may be possible for you to be assessed early in some subjects so that you can return home in time for the start of your Spring semester. The courses marked as 'AA' on the following list have early/alternative assessment available in circumstances where there is a clash of semester dates.

As many disciplines continue to develop alternative assessment options, check our website (www.manchester.ac.uk/international/studyabroad) for the most up-to-date information.

Course units are available in the following subject areas (this list is not exhaustive):

Accounting and Finance AA

(see Business course units)

Accounting
Finance

Architecture

(see Environment and Development course units)

Architecture

Archaeology AA

Ancient History
Archaeology
Heritage Studies

Art History AA

Art History and Visual Culture

Business and Management AA

Business and Management Studies

Chemistry

Chemistry
Chemistry with Forensic and
Analytical Chemistry
Medicinal Chemistry

Classics and Ancient History AA

Ancient History
Classical Studies
Classics
Greek
Latin

Computer Science

Artificial Intelligence
Computer Systems Engineering
Computer Science
Computing for Business Applications
Distributed Computing
IT and New Media
IT Management for Business
Software Engineering
Systems Analysis and Design

Drama AA

Drama
Screen Studies

Earth Sciences AA

Environmental and Resource Geology
Geochemistry
Geology
Planetary Science

Economics and Social Studies

(see Social Sciences course units)

Development Studies
Economics

Engineering

Aerospace Engineering
Chemical Engineering
Civil Engineering
Communication Systems Engineering
Computer Systems Engineering
Mechanical Engineering
Mechatronic Engineering

English and American Studies AA

American Studies
English Literature

Environmental Science AA

Environmental Science
Environmental Studies

Geography AA

(see Environment and Development course units)

Human Geography
Physical Geography

History AA

Economic History
History
Medieval Studies
Modern History



Law AA

Law (including Criminology)

Learning Disability Studies AA

(see Education course units)

Learning Disability Studies

Life Sciences AA

Anatomical Science
 Biochemistry
 Biology
 Biomedical Sciences
 Biotechnology
 Cell Biology
 Developmental Biology
 Genetics
 History of Science, Technology and Medicine
 Medical Biochemistry
 Microbiology
 Molecular Biology
 Neuroscience
 Pharmacology
 Physiology
 Plant Science
 Zoology

Linguistics AA

English Language
 Linguistics

Management and Leisure AA

(see Education course units)

Management and Leisure

Materials

Biomedical Materials Science
 Materials Science

Mathematics

Mathematics
 Statistics

Middle Eastern Studies AA

(see Languages, Linguistics and Cultures course units)

Arabic Studies
 Hebrew Studies
 Islamic Studies
 Middle Eastern Languages
 Modern Middle Eastern History
 Persian Studies
 Turkish Studies

Modern Languages AA

Chinese
 French
 German
 Italian
 Japanese
 Portuguese
 Russian
 Spanish

Music AA

Music

Philosophy AA

(see Social Sciences course units)

Philosophy

Physics and Astronomy

Physics
 Astrophysics

Planning AA

(see Environment and Development course units)

City and Regional Development
 Environmental Management
 Town and Country Planning

Politics and International Relations AA

(see Social Sciences course units)

European Studies
 International Political Economy
 International Relations
 Politics

Psychology AA

Cognitive Neuroscience
 Psychology

Religions and Theology AA

Biblical Studies
 Comparative Religion
 Islamic Studies and Muslim Societies
 Jewish Studies
 Religion and Society
 Study of Religion and Theology
 South Asian Studies

Social Anthropology AA

(see Social Sciences course units)

Anthropology
 Social Anthropology

Sociology AA

(see Social Sciences course units)

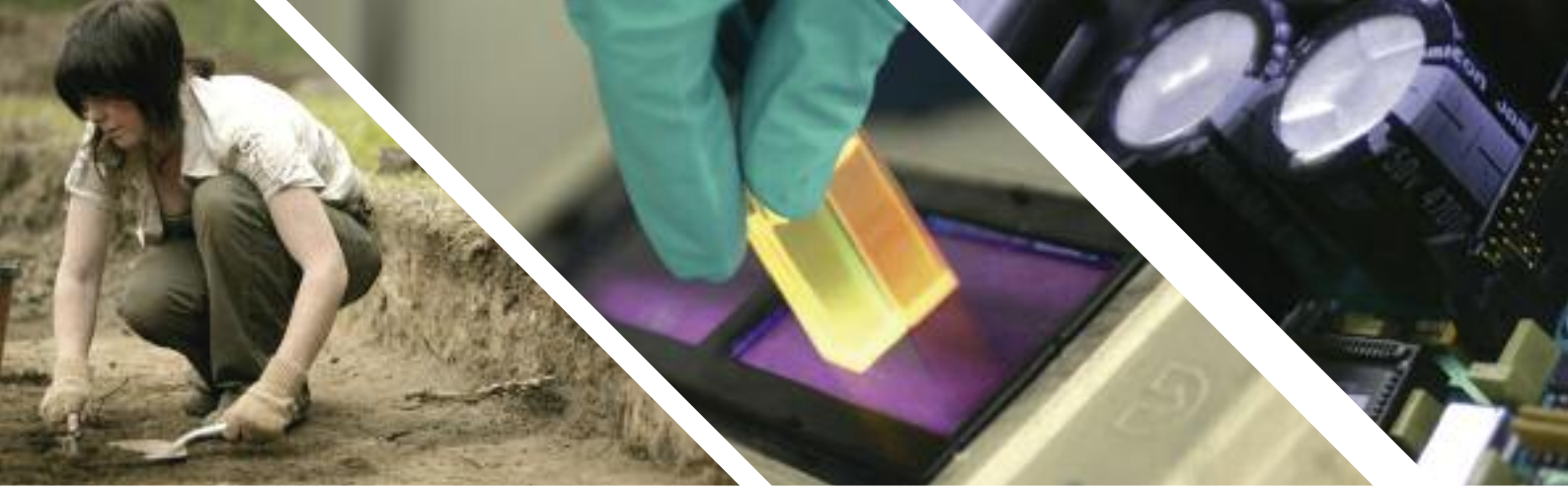
Media, Culture & Society
 Sociology

Textiles

(see Materials course units)

Design Management for Fashion Retailing
 Fashion and Textile Retailing
 Management and Marketing of Textiles
 Textile Design and Design Management Textile
 Science and Technology
 Textile Technology

The University of Manchester is proud of its teaching and strives to ensure its courses are as up to date and relevant as possible. This commitment means that the courses listed throughout this Guide provide a guideline only and are subject to change without notice.



Course units

Study Abroad students are able to 'pick and mix' course units from across disciplines to construct a programme of academic study that is appropriate for their interests and requirements. Examples (not exhaustive) of course units available across the University are listed in the following pages. For the complete list of course units available and how to find syllabus descriptions for each, please visit: www.manchester.ac.uk/international/studyabroadandexchanges/studyabroad/course/

Please note that restrictions apply to course units offered in some subject areas and that an appropriate academic background is always required.

Archaeology

Archaeology at Manchester has an excellent international research profile, recognised worldwide as one of the leading centres for anthropological archaeology. We undertake research in Britain and Europe, the Middle East, Africa, Australia, and as far afield as Easter Island in the Pacific. We specialise in a range of exciting topics including monumentality, architecture, technology and society, production and exchange, ritual and religion, death and burial, the development of complex societies, and forms of cultural identity, including ethnicity, gender, sexuality, status and class. Students here benefit from lectures and seminars that are informed by cutting edge research, with our teaching judged as excellent by the UK Quality Assurance Agency.
www.manchester.ac.uk/archaeology

Example course units (not exhaustive)
European Archaeology; World Archaeology; History of Archaeology; Material Worlds: Objects, Architecture, Landscape; African Archaeology; Issues and Controversies and Ancient History and Archaeology; Theory and Philosophy of Archaeology; Roman Britain; Changing Worlds in the Near East & East Mediterranean; Pacific and Australian Archaeology; Egypt in the Late Bronze Age; Historical Archaeology; The Ritual Life of Monuments; Funerary Landscape Archaeology.

Art History and Visual Studies

Art History and Visual Studies is one of Manchester's best-established subject areas. Our impressive range and diversity of expertise means we can offer courses on periods from antiquity to the present day, and in regions from Britain, Western Europe and the Mediterranean world, to the Middle and Far East, and North and South America.

Example course units (not exhaustive)
Frameworks in Art History; Cities; English Art in the Age of Chivalry; Architecture and the Arts in Renaissance Italy; Greek Art and the City State; Art Since 1945; Topics in Surrealism; William Morris.

Business

With an international reputation for top-rated teaching and research, Manchester Business School is firmly positioned at the leading edge of dynamic business performance.

Example course units (not exhaustive)
Fundamentals of Finance; Global Contexts of Business and Management; Marketing; Human Resource Management; Managing Business Operations; Investment Economics and Innovation; Technology, Strategy and Innovation.

MBS also has many individual exchange agreements with universities worldwide – check out the link below to see if your university has a link:
www.mbs.ac.uk/undergraduate/international/partners.aspx



Chemical Engineering and Analytical Science

The School's excellent research facilities include well-equipped laboratories, state-of-the-art analytical equipment, and electrical and mechanical workshops. Our pilot-industrial scale Morton Laboratory was recently given a £6.6 million upgrade, and is unique in bringing together advanced instrumentation and production scale processing equipment.

Example course units (not exhaustive)
Physical Chemistry; Engineering Mathematics; Thermodynamics; Heat Transfer; Fluid Flow; Design of Separation Processes; Reaction Engineering; Momentum, Heat and Mass Transfer; Distillation and Absorption.

Chemistry

Manchester has a long and distinguished history of chemical innovation, from the birth of modern chemistry with John Dalton, through to recent Nobel prize winners and Manchester students John Polanyi and Michael Smith.

Example course units (not exhaustive)
Inorganic/Structural Chemistry; Quantitative Chemistry; Introduction to Forensic and Analytical Chemistry; Introductory Astronomy and Cosmology; Medicinal Biochemistry; Organic Chemistry; Physical/Theoretical Chemistry; Macromolecular and Polymer Chemistry; Atoms and Nuclei; Selective Toxicity; Organic Chemistry.

International standing

The University attracts world-renowned researchers and teachers and boasts no fewer than 23 Nobel prize winners amongst its current and former staff and students.

Classics and Ancient History

Teaching and research of Classics at Manchester covers the whole range of subjects traditionally conceived as 'classical'. We are one of the largest – and indeed liveliest – centres for the study of the classical world in the country. Equally strong on both Greek and Roman sides of the field, in history, literature and language alike with expertise in rarer fields including epigraphy, papyrology and Indo-European.

Example course units (not exhaustive)
The Odyssey; The Roman Empire 31BC-AD235; Politics and Society in Classical Greece 450-322BC; Greek Epic Poetry; Constructing Archaic Greek History 800-478BC; Greek Mythology; Roman Law in Context.

Computer Science

The University of Manchester has been at the forefront of the computing revolution for more than 50 years. Contributions range from building the world's first stored program computer (1948) to creating image processing software used for the 2004 Oscar winning film 'Cold Mountain'. The School of Computer Science remains today as a world leader in innovation and academic excellence, being rated first for research power in England in the 2008 Research Assessment Exercise.

Example course units (not exhaustive)
Object Oriented Programming with Java 1/2; Artificial Intelligence Fundamentals; The Underlying Machine; Reasoning About Programs; Imperative Programming with C and C++; Software Engineering; Operating Systems; Computer Graphics; Computer Networks; Logic in Computer Science; Subsymbolic Processing and Neural Networks; Digital Systems; Microcontrollers; The Implementation and Power of Computer Languages; Systems on-chip; Introduction to Algorithms and Data Structures; Digital Design Techniques; Mobile Systems; Digital Wireless Communications and Networks; Theory of Games and Game Models; Robotics; High Performance Microprocessors; Concurrency; Cryptography and Network Security.



The first programmeable computer

The Department of Computer Science was formed in 1964, but its history starts in December 1946, when F.C. Williams and Tom Kilburn began to work full-time on devising the first effective random access electronic storage device for use in computers, using a Cathode Ray Tube. During 1947 they produced such a device. To test it Kilburn designed the world's first stored-program computer, 'The Baby', which worked for the first-time on 21 June 1948. The School continues to build on this legacy, having contributed over the years to some of the discipline's most pioneering and influential innovations. Today it remains at the forefront of research and teaching, equipping its students with the skills needed for a career shaping the future.



Michelle Domingo

The University of Scranton, USA

"To leave one's comfort zone and study at a foreign university can be a daunting experience. The University of Manchester has not only made the transition comfortable but enjoyable, to say the least. Studying abroad in Manchester has been an incredible experience and one of the best decisions I have ever made. I came to Manchester in an effort to gain a different cultural perspective, academically and socially, but I received so much more than I anticipated. The University of Manchester competes with some of the most elite universities in the United Kingdom and the education you receive whilst here is indispensable.

"The Stone Roses once wore shirts that said, "on the seventh day God created...Manchester" and though I smile as I write this statement, living in Manchester has sincerely been an unforgettable experience and I find myself wholeheartedly agreeing with the 1980's band. Thus I propose, leave your comfort zone - ease yourself into the Mancunian lifestyle consisting of double decker buses, Manchester United, and an infinite love for Morrissey. I promise you it will be an experience you will never forget."

Drama

Manchester has a world-wide reputation for the quality of its research into Performance, Applied Theatre and Screen Studies. The disciplinary approach of Drama at Manchester combines an emphasis on historical and theoretical perspectives with practical exploration and understanding.

Example course units (not exhaustive)

Theatre Studies: Introduction to Drama; Contemporary Theatre Practice, Practitioners in Context.

Screen Studies: Art of Film, Screen Culture and Society; Transnational Chinese Cinema.

Earth, Atmospheric and Environmental Sciences

The School of Earth, Atmospheric and Environmental Sciences (SEAES) has a unique blend of research expertise to explore the frontiers of knowledge in the natural and man-made world. Geology and related Earth Sciences have been studied at Manchester since 1851 when WC Williamson was appointed as Professor of Natural History.

Example course units (not exhaustive)

Environmental Science and Studies

Global Climate Change; Earth Resources; Environmental Problems; Introductory Geochemistry; Environmental Investigative Techniques; Organic Systems; Soil Science; Geomicrobiology; Biogeochemical Cycles; Hydrogeology; Climate and Energy; Planet Earth; Meteorology.

Earth Sciences

Introduction to Palaeontology; Properties of Minerals; Interpretation of Geological Maps; Global Tectonics; Igneous Petrology; Earth Materials; Sedimentology; Geophysics; Vertebrate Palaeontology and Evolution; Lithospheric Processes; Mineral Deposits; Energy Resources; Ecosystems of the Past; Earth Surface Processes.

Planetary Science

Extraterrestrial Materials, Introduction to Planetary Science; Origins and Evolution of the Solar System; Comparative Planetology; Isotope Geochemistry; Recent Mission Review.



Education

The School of Education at The University of Manchester is independently recognised as one of the best in the country. The School has secured excellent scores in all recent teaching quality assessment exercises (including those undertaken by both QAA and OFSTED).

Example course units (not exhaustive):

Language, Literacy and Communication

Exploring Social Justice in Education; An Introduction to Phonetics; Communication in Society; Computer Mediated Intercultural Communication; Mass Media; Acquisition of Literacy; Bilingualism; Helping Children with Reading Difficulties

Learning Disability Studies

Communication and Presentation Skills; Study and Research Skills; Facilitating Learning; Developing Relationships; Person Centred Approaches to Development and Learning; Application to Practice; Learning Disability: Policy and Practice; Sociology; Friendships, Relationships and Sexuality; Social Role Valorisation and Advocacies; Supporting Employment; Additional Support: Application to Practice.

Management and Leisure

Sociology; Psychology; Economics; History of Leisure; Marketing; Leisure Law; Introduction to Leisure Management Skills; Financial Management; Management Sciences; International Leisure; Leisure in Contemporary Society; The Football Business; Corporate Responsibility.

English and American Studies

English and American Studies boasts specialists in all areas of both disciplines, and the 2008 Research Assessment Exercise rated the subject area joint second in the UK. Our undergraduate programmes offer a diverse range of opportunities for studying Literature and Culture from every historical period, and from a wide range of theoretical perspectives. Alongside the traditional range of English Literature from the Anglo-Saxon period to the present day, students are able to study American, Irish and post-colonial literatures as well as cultural theory, creative writing and film.

Example course units (not exhaustive)

Contexts of Writing; Textual Communities: Text, Hypertext and Readers; Mapping the Medieval; Reading Film; American Literature and Social Criticism 1900-1990; Writing the 18th Century; Reading the 19th Century; Sex and Salvation in Medieval Literature; The Western in Film; Power and Gender in Early Modern Literature; Shakespeare: Genre, Text and Performance; Forms of Poetry; Heroes and Saints: Old English Literature in Translation.

Environment and Development

The School of Environment and Development builds on the academic excellence and expertise developed within the University in the disciplines of Architecture, Geography and Planning, and hosts the Institute for Development Policy and Management (IDPM), the UK's largest University-based centre for postgraduate training and research in international development.

Example course units (not exhaustive)

Architecture

Design; Structures; Construction; Technology; Urbanism; Morphology; Environmental Studies.

Geography (restricted availability)*

Social and Cultural Geographies; People, Places and Policy: Changing Equalities in Cities; Earth Systems and Processes; Terrestrial Environments; Children's Geographies; Spatial Data Handling and Analysis; Material Worlds: Geographies of Natural Resources; Environmental Pollution; Hazards; Cities and Consumption; Quaternary Environments and Geoarchaeology; Space, Culture and Society; Atmospheric Processes and Climatic Systems.

**Please note that Level 2 and 3 Geography courses are only available to students undertaking a full academic year of study.*

Environmental Management/City and Regional Development

Townscape and Landscape; UK Spatial Planning; Cities and Society; Sustainable Cities; Urban and Regional Policy and Politics; Environmental Planning and Protection; Urban Development Planning in Cities of the South; Environmental Impact Assessment; Housing Policy; Planning for Environmental Change; Community Planning and Development.



History

Manchester's History Department is one of the biggest in Europe. Staff expertise ranges across time from Ancient Greek warfare to 1960s and 70s popular protest movements, across space from Peru through Nigeria to China, Europe and North America, and across themes from human sexuality through childhood to housing, from warfare through religion to economics, and many topics inbetween. The courses are demanding and ambitious, but rewarding.

Example course units (not exhaustive)

States, Nations and Nationalism in Modern Europe; War and Personal Testimony; From Silver to Cocaine: Commodities in Latin America; The Origins of British Industrialisation; Globalisation in Historical Perspective; Cultures of Empire: India and the Americas.

History of Science, Technology and Medicine

Science, technology and medicine are among the most significant and influential forms of knowledge and practice in modern society. A particularly effective way to understand their influence is through history: studying how and why science, technology and medicine change over time. The Centre for the History of Science, Technology and Medicine offers teaching at all levels, covering the history of the physical and life sciences, mathematics, computing and medicine, the role of science and technology in everyday life, medical ethics, and representations of science in the news and in fiction.

Example course units (not exhaustive)

Science and the Modern World; Bodies in History; Science, the Media and the Public; History of Climate Change; From Frankenstein to The Matrix: Science Fiction and Film; From Cholera to Aids: the History of Infectious Diseases in Europe, 1800-2000; History of Mathematics; The Information Age; Medicine in Victorian Britain; Key Issues in Contemporary Medicine: What Can History Teach Us?; Madness and Society; The Nuclear Age: Hiroshima to Nuclear Terrorism (see www.chstm.manchester.ac.uk/undergraduate/courses for full details)

Languages, Linguistics and Cultures

The global context informs the intellectual agenda of this department with an increasing range of languages including Arabic, English, French, German, Italian, Mandarin Chinese, Portuguese, Japanese, Russian, Spanish, Turkish, Hebrew and Persian.

Example course units (not exhaustive)

East Asian Studies

Introduction to Chinese Studies; Modern China; Introduction to Modern Japanese Society; Cultural Contexts of Japanese Language; Religion in Japan; Modern Chinese Literature and Film; East Asian Media Culture; Chinese International Migration; Girls, Culture and Society in Japan.

French Studies

French Language Structure and Function; Modern French Poetry; Contemporary French Cinema; French National Identity; Art and Illustration in 19th Century France.

German Studies

German Language Skills; German History 1890-1945; Morality and Politics in German Drama; German Dialects; The Sounds of German; German Romanticism; New German Identities; Assent and Dissent in the Third Reich; Culture and Dictatorship in 20th Century Germany; Language and Society in German-speaking Countries.

Leigh Hubbard

University of California Berkeley, USA

"One of the best aspects of my experience was that I never knew what to expect. How could you in a city where you're surrounded by museums and art galleries, privy to some of the best professional football in Europe, staggered by the sheer number and variety of pubs and clubs overflowing with people, and surrounded by students from every corner of the globe imaginable?"



Italian Studies

Italian Language and Linguistics; The Risorgimento: Origins, Course and Aftermath; Politics and Aesthetics of Italian Cultural Spaces in the 20th Century; Dante, Purgatorio and Paradiso; Florentine Culture in the Age of Lorenzo the Magnificent; Fascist Italy.

Linguistics and English Language

Typology, Semantics, Morphology; Introducing English Grammar; Morphology and Syntax; Introduction to Phonetics and Phonology; Sociolinguistics; World Englishes; Experimental Phonetics; English Dialects; Languages and Gender.

Middle Eastern Studies

The Contemporary Middle East; The Middle East Before Islam: An Introduction; Talmudic Judaism: Its Sources and Concerns; Revolutions in the 20th Century Middle East; The Middle East and the Cold War; The Question of Palestine/Israel (1882-1967). Introduction to Islamic History: from Muhammad to the Ottomans; Muslims: Their Religious Beliefs and Practices: Theories in the Academic Study of the Middle East: History, Literature, Society and Religion Beyond Orientalism.

Russian and East European Studies

Russian History to 1917; Russia from the Revolution to the Present Day; Banned Books: Literature and Censorship in the Soviet Union; Equality and Human Rights in Russia; National Empire in Russian Culture.

Spanish, Portuguese and Latin American Studies

Cultures of Portuguese Colonialism; Introduction to Spanish and Latin American Studies; Catalan Studies; Spanish National Cinema; Culture and Revolution in 20th Century Latin America; Modernism, Culture and Politics; Portugal, Brazil and Cape Verde.

Languages for non-specialists

Hebrew; Turkish; Spanish, Portuguese; Arabic; Chinese; Dutch; French; German; Greek; Japanese; Persian; Polish; Russian; Urdu.

Law

Law is available as an undergraduate degree in the UK, and legal education has been offered at Manchester since 1872. The Law Library has excellent holdings in English Law and in Public International Law, and has a valuable range of Commonwealth and American materials as well. The University Library is one of the four principal academic libraries in the United Kingdom, and is an official depository for European Union and United Nations documents.

Example course units (not exhaustive)

Public Law; Contract Law; Criminal Law; Introduction to English Law; Jurisprudence; Equity and Trusts; Human Rights Law; Public International Law; Legal Method; Crime, Law and Society; Constitutional Reform; Psychology, Crime and Criminal Justice; Medicine, Technology, Morals and the Law.

International standing

According to the results of the 2008 Research Assessment Exercise, The University of Manchester is now one of the country's major research universities, rated third in the UK in terms of 'research power' behind only Oxford and Cambridge.

Life Sciences

It is an exciting time to be part of the global development of the life sciences. Rapid advances in biological understanding and biotechnical innovation in the latter part of the 20th century have led to a multi-disciplinary approach. Medicine, agriculture and food technology, environmental conservation, and pharmaceutical production are all evolving rapidly in the biological arena. Outstanding facilities and teaching support students in this discipline.

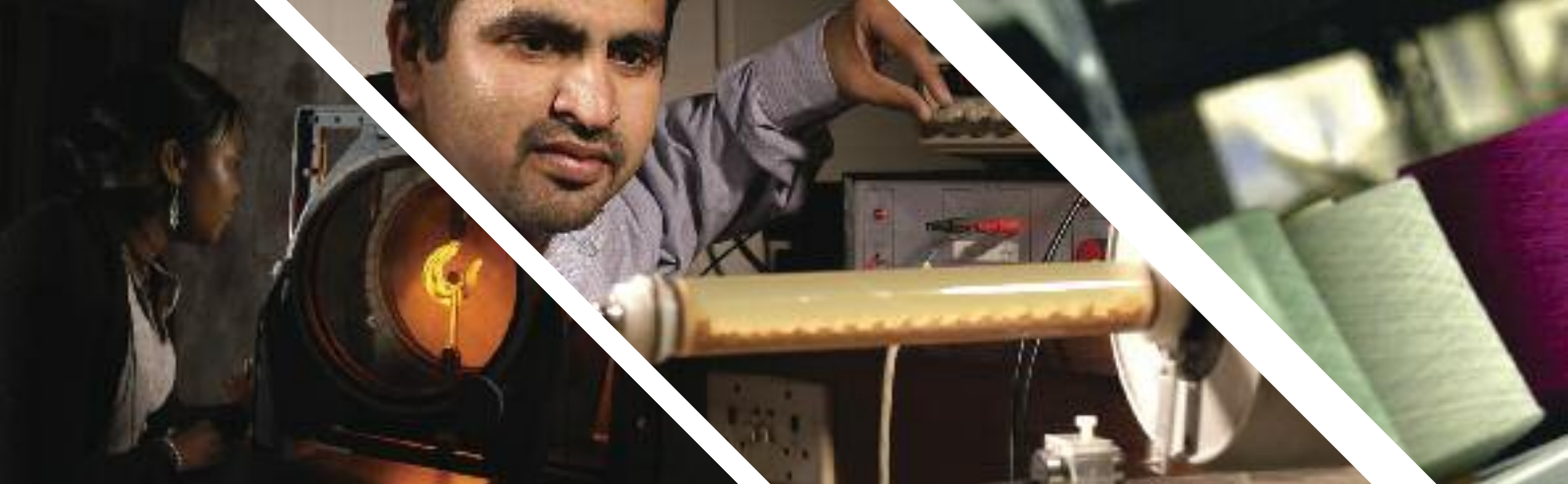
Example course units (not exhaustive)

Molecules to Cells; Genes, Evolution and Development; Molecular Genetics; Biodiversity; Body Systems; Excitable Cells; Microbes, Man and the Environment; Drugs: From Molecules to Man; Biochemistry (Science and the Modern World); Bioethics; Human Anatomy and Histology; Cell and Tissue Function in Human Disease; Immune Response and Disease; Animal Behaviour; Stem Cells; Conservation Biology; Applications of Plant Biotechnology; Genes, Evolution and Development; A History of Biology in 20 Objects, Haematology and Blood Transfusion, Parasitology; Environmental Physiology of Animals; Population Dynamics and Ecosystems; Trees and Forests; Molecular Biology of Cancer.

(see www.manchester.ac.uk/lifesciences/studyabroad for full details)

An Introduction to Current Topics in Biology

is a unit designed specifically for students who are not majoring in a life sciences subject, and who do not have advanced biology qualifications, but who would like to know more about this exciting and ever-expanding subject. Students will be introduced to the science that features in the news or entertainment media; examples include DNA technology, stem cell research, climate change and evolution. Students will be equipped with the background facts necessary to develop an informed opinion about current topics, in order to appreciate the complexities of current biological issues. This unit will be a useful addition to a wide range of courses across the university, with information relevant to politics, law, ethics and philosophy, as well as science. The unit is available as either a 10 UK credit or 20 UK credit option.



International standing

The University of Manchester is the UK's most popular University, receiving more applications for undergraduate study than any other British university (53,900 in 2009).

Materials

Facilities and support

The School of Materials has excellent processing laboratories and materials characterisation facilities including sophisticated X-ray diffraction, a friction stir welder, electron microscopy and spectroscopy, together with dedicated design studios and in-house spinning, knitting and weaving equipment.

Example course units (not exhaustive)

Biomedical Materials

Introduction to Biomaterials and Tissue Engineering; Biochemistry; Anatomy and Physiology of the Human Body; Cell Biology; Biomechanics; Tissue Interactions and Biocompatibility; Crystallography & Diffraction; Biomedical Polymers and Composites; Biomedical Ceramics and Alloys; Chemical & Surface Characterisation – Biomedical; Polymer Materials Science – Biomedical; Tissue Engineering; Structural Natural Fibres; Advanced Biopolymers and Colloids; Nanobiomaterials; Biological Matrices; Natural and Synthetic; Failure of Materials – Biomedical; Electrical and Magnetic Properties of Materials – Biomedical; The Molecular Environment of the Cell in Health & Disease; Advanced Biopolymer and Colloids – Biomedical; Polymer Materials Science for Biomedical Students; Clinical Applications in Biomaterials; Engineering Ceramics and Glasses – Materials.

Management and Marketing of Textiles

Introduction to Management and Marketing Concepts and Practices; Textile Materials and Processes; Product Performance Requirements; Mathematical Techniques for Managers; Market Research and Consumer Behaviour; Accountancy for Manufacturing; Management Information Systems; Microeconomics.

Materials Science

Introduction to Materials Science; Materials For Engineering Applications; Thermodynamics; Atomic & Molecular Nature of Materials; Mathematics; Functional Materials; Mechanical Properties of Materials; Microstructures of Materials; Crystallography & Diffraction; Origins and Production of Materials; Degradation of Materials, Design I; Ceramic Processing of Materials; Polymer Materials Science; Design II; Phase Equilibria and Transformations; Deformation and Strengthening; Electronic and Magnetic Properties of Materials; Polymer Materials and Processing; Electronic Devices; Failure of Materials; Phase Transformations in Materials; Polymer Physics; Chemical Processing of Advanced Materials; Engineering Alloys; Engineering Ceramics and Glasses; Composites Principles and Practice; Functional Ceramics; Cellular Materials.

Textile Design and Design Management

Studio-based drawing and design projects (Knit, Weave and Print Design); Fabric Production; Fundamental Textile Processes (fibre-to-yarn and yarn-to-fabric conversion); Colour and Design.

Textile Science and Technology and Textile Technology (Business Management)

Fundamentals of Fibre; Yarn and Fabric Manufacture; Mathematics; Physics; Chemistry for Textiles; Computation; Intro to Accounting; Textile Management; Microeconomics for Textiles and Clothing; Colour and Colour Measurement; 'Smart' Materials; Electronics; Management Law; Work Psychology; Costing and Economics; Management Information Systems.

Fashion Retailing

Retailing; Marketing; Textile Processing and Technology; Fashion Operations Management; Fashion Promotion; ICT and CAD/Graphics; Fashion Design; Clothing Technology; Supply Chain; Consumer Behaviour; Fashion Theory.



Mathematics

The School of Mathematics is one of the biggest and most research-active schools of mathematics in the country. The School currently has more than 1,000 undergraduates, 180 postgraduates and 70 academic staff.

Example course units (not exhaustive)

Sets, Number and Functions; Propositional Logic; Linear Algebra; Algebraic Structures; Group Theory; Coding Theory; Hyperbolic Geometry; Sequences and Series; Real Analysis; Metric Spaces; Topology; Calculus and Vectors; Fluid Mechanics; Classical Mechanics; Probability and Statistics; Random Models; Martingales with Applications to Finance; Markov Processes; Statistical Methods; Discrete Mathematics; Measure Theory; Combinatorics and Number Theory; Statistical Inference; Applied Time Series; Numerical Analysis.

Mechanical, Aerospace and Civil Engineering

World-class facilities at MACE

The School of Mechanical, Aerospace and Civil Engineering contains some of the foremost physical research facilities. These include standard testing machines with capacities up to 3000 kN, a geotechnical centrifuge, wave tanks, the largest tilting flume in the world and laser laboratories. The School also houses a flight simulator and various wind tunnels including supersonic and hypersonic tunnels with up to Mach 3 capability.

Example course units (not exhaustive)

Aerospace Engineering/Mechanical Engineering

Aerospace Engineering; Mechanical Engineering; Renewable Energy Systems; Flight Dynamics; Sustainable Development; Computational Fluid Dynamics; Heat Transfer; High Speed Aerodynamics; Industrial Strategy.

Civil Engineering

Structures; Hydraulics; Design; Geotechnics (ground engineering); Materials; Management Surveying; Water Engineering; Earthquake Engineering; Fire Engineering; Environmental Control.

Music

Music at Manchester offers a friendly, stimulating and supportive environment with a broad range of courses where students can work alongside our world-class research staff. We select a high calibre of student and maintain a very strong performing tradition while cultivating musical techniques, historical musicology and composition.

Example course units (not exhaustive)

Tonality: Form and Function; Music and its Contexts; Sonic Invention; Musical Notation; Sound Design; World Music; Instrumental Composition; Aesthetics; Analysis; Approaches to Musicology; Aural Skills; Music, Culture and Politics; Early Music: Cultures and Contexts; Music Post 1900; Acoustics; Electroacoustic Composition.

"There is no limit to the number of top-rated course assessments – 96% make our criteria of Academic Excellence, and research here has a pedigree of its own."

The Virgin 2007 Alternative Guide to British Universities.



Physics and Astronomy

The School is one of the largest physics departments in the UK. Our tradition has been established by many eminent teachers and research workers, including several Nobel Laureates.

The School boasts access to some of the world's leading facilities for the study of Particle Physics including the Large Hadron Collider (which will be used to discover the origin of mass). In the field of Astronomy and Astrophysics, the School operates the famous Jodrell Bank Observatory.

Example course units (not exhaustive)

Classical and Quantum Mechanics

Dynamics; Lagrangian Dynamics; Gravitation; Quantum Physics and Relativity; Fundamentals of Quantum Mechanics; Physics and Reality; Symmetries in Physics; Relativistic Quantum Physics.

Waves and Light

Vibrations and Waves; Wave Optics; Introduction to Photonics; Lasers and Photonics; Holography and Imaging.

Structure of Matter

Gases, Liquids and Solids; Thermal and Statistical Physics; Solid State Physics; Semiconductor Quantum Structures; Frontiers of Solid State Physics; Soft Matter Physics; Liquid Crystals, Polymers and Colloids; Superconductors and Superfluids.

Medical and Biological Physics

Biological Physics; Physics Applied to Medicine and Biology; Physics Applied to Physiological Measurements; Biomaterials Physics; Laser Photomedicine.

Particle and Nuclear Physics

Particle Physics; Nuclear Physics; Applied Nuclear Physics; Nuclear Structure; Frontiers of Particle Physics.

Astrophysics

Introduction to Astronomy and Cosmology; Physics of the Solar System; Galaxies; Galactic Dynamics; High Energy Astrophysics; Interstellar Physics; Stars and Stellar Evolution; Molecular Clouds and Star Formation; Radio Astronomy; Frontiers of Astrophysics; Gravitation; The Early Universe.

Laboratory

Laboratory courses are offered at all levels

Psychological Sciences

The School plays a major role in the Faculty-wide Centre for Clinical Neuroscience as well as housing a Child Development laboratory. To facilitate these international centres there is a suite of laboratories for research in both Social and Developmental Psychology. As well as access to both 1.5T and 3T MR scanners for functional and structural brain imaging, the School houses dedicated EEG and eye-tracking laboratories and has an extensive Experimental Design and Image Analysis Lab.

Example course units (not exhaustive)

Social Psychology; Developmental Psychology; Cognitive Psychology; Perception; Neuropsychology; Psychopathology; Health Psychology; Personality and Individual Differences; Cognitive Neuroscience.

Students must have a GPA of 3.3 or above to access Level 3 Psychology course units.



Ernest Rutherford

The University of Manchester has a long history of pioneering research. One of the greatest achievements at the University was that of Ernest Rutherford, who was the first man to discover the atomic nucleus. Rutherford was born and educated in New Zealand and after a spell at Cambridge and McGill was made Langworthy Professor of Physics in The University of Manchester, succeeding Sir Arthur Schuster. While at The Victoria University of Manchester he won the Nobel Prize for Chemistry in 1908 "for his investigations into the disintegration of the elements, and the chemistry of radioactive substances". Rutherford was the first to deliberately transmute one element to another and also correctly postulated the existence of the 'nucleus'. This is considered to be his greatest contribution to the advancement of physics.



Religions and Theology

With no binding ties to religious institutions, we approach our subject from a distinctively comparative and interdisciplinary angle. This approach enables our students to ask questions they might not ask and cross boundaries they might not cross in most other settings where religion and theology are normally discussed.

Example course units (not exhaustive)

The Rise of Christianity; The New Testament; The World of The Ancient Israelites; Biblical Hebrew; Introduction to Judaism; European Reformations; Sacred Texts: Comparative Studies In Religion; Culture And Society; Religion, Culture And Gender; Luke – Acts; Texts, Ritual, And Practice In Mahayana Buddhism; Liberation, Gender And Politics In 'Hindu' Texts; Introduction To The History Of Jewish-Christian Relations.

Social Sciences

The School is a leading centre of research and higher education in Economic Studies, Government and International Politics, Philosophy, Social Anthropology, Sociology and Social Statistics.

Example course units (not exhaustive)

Economic Science (restricted availability)

Applied Economics; Microeconomic Principles; Macroeconomic Principles; Advanced Mathematics; Applied Statistics; Financial Reporting; Business Law; Investment Analysis; Developing Countries in the International Economy.

Philosophy

Mind and Language; Values and Morality; Critical Thinking; Introduction to Logic; Knowledge & Reality; Locke, Berkeley, Hume; 20th Century Analytical Philosophy; Philosophy of Mind; Aesthetics.

Government/Politics

Introduction to Comparative Politics; Introduction to International Politics; The Politics of Globalisation; Freedom and Equality: Contemporary Debates; Comparative European Politics; Mediterranean Politics; France Under the Fifth Republic; Chinese Politics Today; News Media and International Crisis; The Politics of Policy Making; Pluralism, Democracy and Citizenship; Global Justice; The Politics of Hate.

Social Anthropology

Culture, Power and Language; Sex, Gender and Kinship; The Anthropology of Religion; The Ethnographer's Craft; Regional Studies of Culture; Anthropology, Globalisation and Development; Images, Text and Fieldwork; Materiality, Sensoriality and Visuality.

Sociology

Media, Culture and Society; Work, Economy and Society; British Society in a Globalising World; Sociology of Personal Life; Self and Society; Globalisation and the Developing World; Culture and Inequality; Racism and Ethnicity in the UK; Power and Protest; Technology and Society; Gender, Sexuality and Culture; Sociology of Nature, Environment and Risk; Sociology of Fashion; Sociology of Human-Animal Relations.

International standing

The University of Manchester has the UK's largest alumni community for a campus-based university, and is in contact with more than 222,000 of its former students spread across 200 countries. Alumni include Louis de Bernieres (Author); Andy Duncan (Chief Executive of Channel 4); Ben Elton (Writer and Comedian); Sir Terry Leahy (Chief Executive, Tesco); Rik Mayall (Actor and Comedian); Dr Alan J Wood (Chairman, Siemens); HE George Maxwell Richards (President of the Republic of Trinidad and Tobago).



Specialist Pathways

We have a number of specialist pathways, available to both Study Abroad fee-paying and Exchange students. These pathways are designed to equip students with specific skills in a range of areas.

English Language pathway - NEW

This pathway is for students whose first language is not English, and is particularly popular with students from Japan, China and Korea. This pathway provides a period of English language study before or during your main year/semester academic programme.

There are two routes:

Route 1: Integrated route

You undertake one semester of credit-bearing English language study, followed by one semester of academic study. The English language study in semester 1 covers grammar, vocabulary, listening, speaking, reading, writing and study skills, as well as target modules specific to your personal, professional or academic needs.

This route involves a full academic year of study at The University of Manchester and the standard academic year study abroad tuition fee applies (fee waived for Exchange students).

Students must have a minimum IELTS score of 5.5/TOEFL score of 527 (197 on the computer based test, or 71 on the internet based test).

Route 2: Extended route

You undertake a 5 or 10 week period of non-credit bearing English language study prior to undertaking your main academic programme. The course enables you to develop your academic listening, speaking, reading and writing skills. The extended route is a particularly suitable option for students whose current English language score is only marginally below the University's English language entry requirement for entry to the standard Study Abroad Programme.

This route means that you can undertake a full year of academic course units* (plus an additional 5 or 10 weeks), or a single semester of academic course units* (plus an additional 5 or 10 weeks). You pay the standard study abroad tuition fee for either the full year or one semester (fee waived for Exchange students), PLUS an additional fee for the 5 or 10 week English language study (all students pay this fee). Details of the additional fees can be found here:

www.ulc.manchester.ac.uk/english/full-time/pre-sessional

The language study component for both routes is carried out in the University Language Centre (ULC) at The University of Manchester.

*One of the course units in your first semester must be 'English Language in Use'.

Pre-Law pathway

Interested in applying to a US Law School for Graduate study?

The University of Manchester School of Law offers a study abroad pathway aimed specifically at US-based students who wish to spend one or two semesters of their junior or senior year studying law at one of the leading schools in the UK.

The programme is designed for US-based undergraduate students who are studying politics, philosophy, history, international relations, economics, business, criminology, or any other related undergraduate subject and are thinking about applying for admission to law school in the US. Unlike the US, law is an undergraduate degree in the UK, and students admitted to the programme will have the opportunity to take the same law courses that students in the UK take as part of their qualifying degree. All law school courses that do not have a specific pre-requisite in law will be open to students participating in the programme. This includes basic legal courses such as contracts, torts, criminal law, constitutional law, EC law; and legal method, as well as more advanced legal courses such as jurisprudence, environmental law, law and ethics in war and warfare, law, literature and art, sociology of law, and gender and the law. The programme will give students the opportunity to explore their interest in the law, experience actual law school courses, and better prepare themselves both for law school in the US and the US law school admissions process. Students may also take up to one course per semester offered by another School in the University.

For further details on this Pre-Law pathway, please visit www.manchester.ac.uk/international/studyabroadandexchanges/studyabroad/prelaw



Leadership and Service pathway

The University of Manchester offers a pathway for students who want more than just academic credit during their time in the UK.

Students who are undertaking a year/semester abroad at Manchester can select the 'Study Abroad plus Leadership and Service' option, which enables them to engage with British life and society and undertake service learning alongside their academic study.

The taught leadership element of the programme helps students understand the importance of sustainable leadership that promotes environmental care, social justice and prosperity. It provides an insight into the key challenges facing 21st century leaders and the opportunity to engage with leaders and others in the local community. Participants also gain a real insight into, and understanding of, British life and society through undertaking a period of voluntary work with a local community group/project.

The Study Abroad plus Leadership and Service pathway comprises two elements:

- 1 Up to 50 credits of academic study towards your home university degree
- 2 The Manchester Leadership Programme, leading to the prestigious Manchester Leadership Award. The MLP is made up of:
 - i. An accredited (10 or 20 credit) 'Leadership in Action' unit covering topics such as Leadership theories, concepts and practice; poverty and inequality; culture and diversity; environmental sustainability; ethics and social responsibility.
 - ii. Up to 60 hours of accredited volunteering, or service learning –
 - 60 hours in total for the Gold Award
 - 40 hours in total for the Silver Award
 - 20 hours in total for the Bronze Award

For further details on the Manchester Leadership Programme please visit: www.manchester.ac.uk/mlp

Interested in Summer Study?

The University of Manchester currently offers three Summer Schools for students who are looking for a short period of study abroad. Please note that each Summer School has their own independent application forms and procedures, and students should NOT complete the standard study abroad application to apply for any of these courses. Please visit the websites indicated for details of how to apply.

Creative Writing Summer School

This programme allows students to spend their summer studying creative writing and British and Irish literature during this academically rigorous four-week summer school in June/July. Features include:

- A gala event featuring world-famous novelist Martin Amis
- Guided trips to literary sites in London, the Lake District and the Yorkshire Moors
- Readings and Q&A sessions with visiting novelists and poets
- Creative Writing workshops led by published writers

For further details, application forms and costs, please visit:

www.manchester.ac.uk/arts/newwriting/events/summerschool/

European Business Summer Study Programme

This five-week long programme helps students understand the European political, economic and social environment, and is designed for business, management, law and international relations students who wish to work in international management. It is taught in the UK, France, Spain and the Czech Republic, and helps students understand business activities, firms and structures within the EU and Eastern Europe through a combination of teaching, coursework, company visits and practitioner input.

For further details, application forms and costs, please visit:

www.mbs.ac.uk/executive/centres/eurocentre/european-summer-study.aspx

English Language International Summer School

This intensive general English course is designed for students who wish to improve their overall English language skills with a focus on oral communication. In addition, there is a cultural element involving visits to areas and places of local interest. The course covers 11 weeks and it is possible to commence study on any Monday during the designated study period for a minimum period of 3 weeks.

For further details, application forms and costs, please visit:

www.ulc.manchester.ac.uk/english/full-time/international%20summer%20school



Entry requirements

All applicants must be registered and in good standing at their home university/college.

You should check with your home university as to whether they also have any requirements that you have to meet in order to be eligible to study abroad.

Academic standing

We normally require at least a B average (or a minimum 3.0 cumulative Grade Point Average on a 4.0 scale). This average should be maintained during the period of study immediately preceding the semester/year at The University of Manchester.

English Language Proficiency

If English is not your first language, you will need to provide evidence of your English language proficiency.

The minimum acceptable levels for admission are given below. Note these are **minimum** requirements, and students with scores at these minimum levels must take a 10 credit 'English Language in Use' course unit as part of their first semester course load.

Standard

IELTS	TOEFL	Cambridge CPE*	PTE**	GCSE
6.0 (not less than 5.0 in any one component)	550 (213 CBT, 79-80 IBT)	C	51-58	C

However, certain subject areas require higher scores if students wish to have access to their course units, including:

Business, Management, Life Sciences

IELTS	TOEFL	Cambridge CPE*	PTE**	GCSE
6.5	577 (233 CBT, 90 IBT)	C	59-65	C

Education, Law, English Literature

IELTS	TOEFL	Cambridge CPE*	PTE**	GCSE
7.0	600 (250 CBT, 100 IBT)	C	66-73	C

English Language Pathway entry requirements:

Integrated Route

IELTS	TOEFL	Cambridge CPE*	PTE**	GCSE
5.5 (not less than 5.0 in writing)	527 (197 CBT, 71 IBT)	C	43-50	C

Extended Route

IELTS	TOEFL	Cambridge CPE*	PTE**	GCSE
5.5 (not less than 5.0 in writing) (for 5 or 10 week pre-session course)	527 (197 CBT, 71 IBT)	C	43-50	C

* Cambridge Certificate of Proficiency in English

** Pearson Test of English

How to apply

If you are applying as a **Study Abroad fee-paying student**, you can apply in one of three ways:

- direct to the Study Abroad Unit at The University of Manchester
- through the Study Abroad Office of your home university (this may be a requirement in order to facilitate the transfer of credit for courses undertaken abroad)
- through the Center for Education Abroad at Arcadia University (www.arcadia.edu/abroad) CCSA (www.ccsa.cc) or Eurolearn (www.eurolearn.org) (North American students only).

If you are participating in an **Exchange** from a University of Manchester exchange partner, then your application process should be conducted through your home university Study Abroad Office or Office of International Programs.

Applications for entry in the 2011/12 academic year should be made using the on-line application system found at our website here: www.manchester.ac.uk/international/studyabroadandexchanges/studyabroad/apply

(note that the online application system for entry in September 2011 will open in early 2011).

As part of the application process, you will need to upload copies of documents including:

- Your most recent academic transcript
- An academic reference (not required from Exchange students)
- ID page from your passport
- Evidence of English Language proficiency (if English is not your first language)

Application for housing is a separate on-line process, and should be made via the Accommodation Office website here: www.accommodation.manchester.ac.uk/application

(Please note that you cannot apply for housing until you have received your University ID number contained in your offer letter from us).



Choosing your course units

Application deadlines

The deadlines for the receipt of applications depend on the period of study for which you are applying:

Full Academic Year (September - June)	1 June 2011
Autumn Semester (September - January)	1 June 2011
Spring Semester (January - June)	1 November 2011

Applications are processed in the order in which they are received. We therefore encourage early application, particularly for course units in subjects such as English, History and Politics, which fill up very quickly.

1 Visit the Study Abroad Unit website and select the link to course units.

www.manchester.ac.uk/international/studyabroadandexchanges

2 Click on the subject area(s) in which you are interested to see a list of specific course units taught. Each course unit has a code which indicates the level of the course and the time period during which it is offered.

4 You will need to select a full course load: 60 Manchester credits per semester; 120 Manchester credits for the academic year. You can, however, list up to two additional course units on your application to allow for timeable clashes.

You can change, add or drop course units after arriving at The University of Manchester (subject to availability), so don't worry if you later need to alter your course unit choices slightly.

Example course unit code interpretation

ENGL 20502 The Victorian Novel

20502 The initial number indicates the level of the course.

- 1 First Year course unit
- 2 Second Year course unit
- 3 Third Year course unit
- 4 Fourth Year course unit

20502 The final number indicates the time period in which the course is offered.

- 1 Semester one (Autumn / Fall)
- 2 Semester two (Spring)
- 0 Full year

ENGL 20502 is a second year course unit taught in the Spring semester.

Please note that some course units in Engineering and Physical Sciences may have slightly different course codes. Please contact us if you require clarification.

3 Click on the course unit to view more detailed information such as course content, credit value, assessment and preliminary reading. If the course unit information is insufficient for you and your advisers to determine whether the course will meet your academic needs, then contact the Study Abroad Unit for help.

It is important to discuss your course choices with your academic adviser at your home university to ensure that the courses that you take whilst you study at The University of Manchester are approved for credit transfer.

Credit equivalence

As a guide, the following translation of Manchester credits can be used, and as a general rule, 1 UK credit equates to 10 hours of work.

Manchester	US	ECTS*
10	3	5
20	5	10

*European Credit Transfer System

City and university are absolutely inseparable, not least because they share the same vibe. It is an active, buzzing scene.

The Virgin 2007 Alternative Guide to British Universities

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

The Push Guide to Which University 2007-8



Tuition fees

These fees **do not** apply if you are participating in a bilateral exchange through a University of Manchester exchange partner. Students applying via a provider organisation such as Arcadia, CCSA or Eurolearn, or as part of a group study programme, will also be advised of the applicable fees by the relevant organisation.

2011/2012	
Academic Year	£9,375
Semester	£5,100

The English Language pathway (Extended route) requires students to pay additional fees for the English Language study undertaken. Details of these fees can be found at the University Language Centre website, www.ulc.manchester.ac.uk

Cost of living

Living costs in Manchester are similar to other major UK cities such as Birmingham and Nottingham, and are lower than in London. Manchester has approximately 80,000 students, the largest total outside of the capital, and shops, businesses and restaurants are all used to catering for students on a tight budget. You can get student discounts on almost everything, from travel and computers to movies and clothes.

Estimated living expenses for 2010/11 session*		
	Academic Year 40 weeks (£)	Single Semester 20 weeks (£)
Accommodation (average cost for self-catering halls)	3,700	1,850
Meals	1,450	725
Books and stationery	360	180
Clothes (including warm clothing and footwear)	360	180
Local transport	490	245
Other general living expenses , eg photocopying and printing, laundry, phone calls, consumables, entertainment, sports, cooking equipment etc	1,340	670
TOTAL	7,700	3,850

* Please note this table is based on estimates and actual costs will depend on your lifestyle.

Whether you are interested in Basketball, Dance, Film, Hiking, Swimming, Ice Skating, Jazz, Soccer, Photography, Tai Chi, Rowing or Tennis, there are clubs to suit! **The Push Guide to Which University 2007-8** said: "The Athletics Union offers a vast choice of muscle-stretching pastimes so even the slobbiest slob in slobland should find something sporty to do."



Semester dates 2011-2012

First semester

Attendance
19 September 2011 - 16 December 2011

Christmas vacation
17 December 2011 - 15 January 2012

Attendance*
16 January 2012 - 29 January 2012

**Assessment period - see page 8 for circumstances in which attendance requirement may be waived*

Second semester

Attendance
30 January 2012 - 23 March 2012

Easter vacation
24 March 2012 - 15 April 2012

Attendance
16 April 2012 - 8 June 2012



Disclaimer

This publication and its contents have been created within the spirit of the Charter for Higher Education. Every effort has been made to ensure that the information contained within this brochure is correct at the time of writing; however the University does not accept liability for any errors that it may contain, or for any subsequent changes to University, Governmental or external policies, that may affect the information provided. The University of Manchester expressly excludes any representations or warranties (whether expressed or implied) and all liability including direct, indirect, special, incidental or consequential damages arising out of the use of the information in this Guide, to the fullest extent under the law. You are advised to contact the International Development Division if you have any questions with regard to this publication.

Distances from Manchester

City	Distance in miles	Time by Rail
Edinburgh	220	4 h 15 mins
Liverpool	35	1 h 00 mins
London	210	2 h 15 mins
Oxford	155	2 h 45 mins
York	70	1 h 30 mins

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www.manchester.ac.uk/international/studyabroadandexchanges