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“Perfect! Highly committed staff, a large variety of courses, thrilling city. I would have liked to stay longer and I'm going to recommend The University of Manchester to everybody who wants to do an exchange or has the possibility to study abroad for his/her whole degree.”

Anna Wrzal,  
University of Freiburg, Germany





"Studying at The University of Manchester was the best decision I have made. I grew so much personally and academically. I feel that I had such a good experience because of the diversity of the student body and professors."

Emily Biffen,  
King's College, USA



## WELCOME TO THE UNIVERSITY OF MANCHESTER

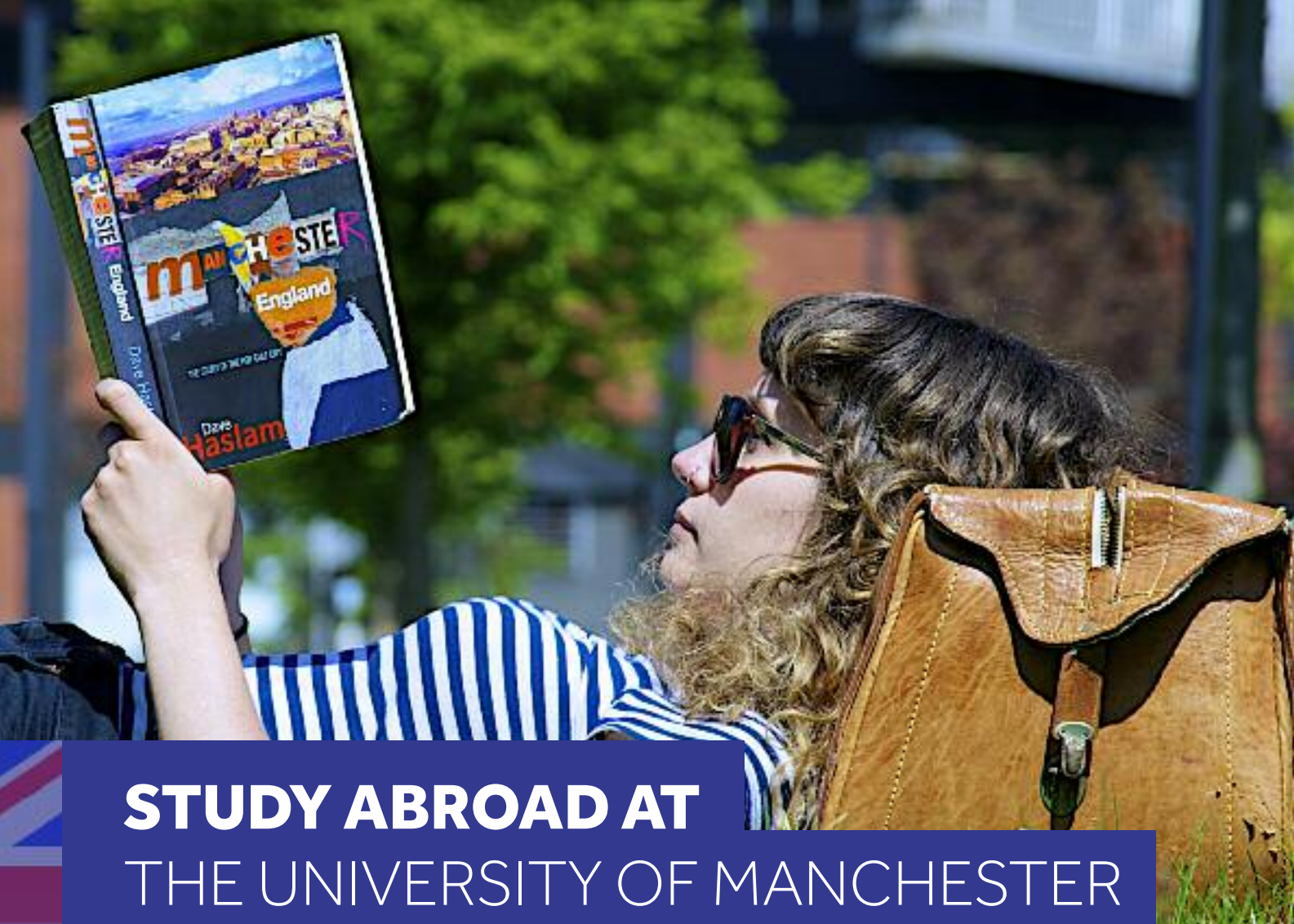
**The University of Manchester is one of the top universities in Europe and indeed the world, internationally recognised for both its teaching quality and research excellence. We have teaching and research in more subjects than any other single-site British university, and due to our academic structure we are able to offer a very wide range of course units 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. 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.

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. 25 of our current and former staff and students have gone on to become Nobel Prizewinners – including Professors Sir Andre Geim and Sir Konstantin (Kostya) Novoselov, creators of Graphene – 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 39,000 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 AT THE UNIVERSITY OF 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 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 (or the terms of the exchange agreement), 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, Sustainability, Leadership and Service, and English Language. Details of these Pathways can be found on pages 24-25.

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 the College of Global Studies at Arcadia University or CCSA; 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 tuition 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.

We welcome students from exchange partners all over the world – both under the Erasmus+ Programme (EU exchanges) and our Worldwide (non-EU) Exchange Programme.

### '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.

## NON-EU EXCHANGE PARTNERS

### ARGENTINA

Universidad Del Salvador

### AUSTRALIA

Australian National University  
The University of Melbourne  
The University of Queensland  
The University of Sydney  
The University of Western Australia, Perth

### BRAZIL

Universidade de Sao Paulo

### CANADA

McGill University  
Queen's University  
University of British Columbia  
University of Calgary  
University of Toronto  
Université de Sherbrooke (Humanities)

### CHILE

Pontificia 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)

### CUBA

Universidad de la Habana

### HONG KONG

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

### ISRAEL

Hebrew University of Jerusalem (Humanities)

### JAPAN

Chuo University (Humanities)  
Dokkyo University (Humanities)  
Fukuoka Women's University (Humanities)  
Hiroshima University (Humanities)  
Hitotsubashi University (Humanities)  
Hokkaido University (Humanities)

### JAPAN (continued)

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)  
Nagoya University (Life Sciences)  
Nanzan University (Humanities)  
Ochanomizu University (Humanities)  
Oita University (Humanities)  
Osaka University (Humanities)  
Rikkyo University (Humanities)  
Ritsumeikan University (Humanities)  
Saitama University (Humanities)  
Tokyo University of Foreign Studies (Humanities)  
University of Tokyo (Humanities)  
University of Tsukuba (Life Sciences)  
Waseda University (Humanities)  
Yamagata University (Humanities)

### MEXICO

Universidad de las Americas, Puebla

### NEW ZEALAND

University of Auckland

### SINGAPORE

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

### SOUTH KOREA

Ewha Womans University  
Seoul National University

### TAIWAN

National Taiwan University (Humanities)

### URUGUAY

Universidad ORT Uruguay

### UNITED STATES OF AMERICA

Arizona State University  
Case Western Reserve 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 (ERASMUS+)

We also have departmental exchange partnerships with many European universities under the Erasmus+ scheme. Please see our website for further information on current partners and subject areas covered by the exchanges: [www.manchester.ac.uk/study/international/study-abroad-programmes/erasmus](http://www.manchester.ac.uk/study/international/study-abroad-programmes/erasmus)

Please note that the Manchester Business School have separate exchanges – please see [www.mbs.ac.uk/programmes/undergraduate/international-exchange](http://www.mbs.ac.uk/programmes/undergraduate/international-exchange) for details.

I'm a student with a disability, so I was worried about what kind of support would be available in another country. I was really impressed with the excellent support I received. It made me feel much more confident. I would highly recommend studying at The University of Manchester to any student who wants a great academic experience in an amazing city.

Alison Griggs,  
York University, Canada



# 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 you may wish to get involved in. 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](http://www.manchester.ac.uk/accommodation)

Your application for housing should 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, and a reduced service is sometimes available at weekends.

## 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 'The Mancunion' – the official weekly student newspaper for Manchester's 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 SHUTTLE SERVICE TO RESIDENCES

The University runs an Airport Shuttle Service 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 PROGRAMME

To help you find your feet in your new environment, the University offers an orientation programme 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](http://www.manchester.ac.uk/dso)) is available to assist with any support needs.

# INTERNATIONAL PROGRAMMES OFFICE

**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 International Programmes Office 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, advising and transcripts, and are the connecting point for contact with all academic schools and administrative offices, welfare and counselling services. The International Programmes Office have

considerable experience of dealing with students studying abroad, so if you want any information or advice, 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 Programmes at your home university will be able to advise you if we have scheduled a visit.

## INTERNATIONAL PROGRAMMES OFFICE INBOUND TEAM



**Sarah Bloor**  
International Programmes  
Administrator



**Zaba Ihsan**  
International Programmes  
Assistant



**Susanna Larminie**  
International Programmes  
Administrator



**Stephanie Nixon**  
International Programmes  
Officer



**Caroline Whitehand**  
International Programmes  
Manager

## ERASMUS+ ENQUIRIES

[Zaba.ihsan-2@manchester.ac.uk](mailto:Zaba.ihsan-2@manchester.ac.uk)  
+44 (0)161 275 8262

## FEE-PAYING STUDY ABROAD ENQUIRIES

[studyabroad@manchester.ac.uk](mailto:studyabroad@manchester.ac.uk)  
+44 (0)161 275 7385

## NON-EU EXCHANGE ENQUIRIES

[exchangestudy@manchester.ac.uk](mailto:exchangestudy@manchester.ac.uk)  
+44 (0)161 275 8021



# MANCHESTER

## CULTURE 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.

"This was one of the best experiences in my life. The social life was great and I have met a lot of new friends and we still keep in touch. I felt so sad when I was leaving and I miss Manchester so much!"

Chao Zhang,  
Shandong University, China

### 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. Big names play at The Academy, our music venue based on campus right next to the Students' Union.

### THEATRE AND FILM

Theatre and film is at the heart of Manchester's cultural scene. The University has its own theatre and arts venue, the Contact Theatre, and the city is home to many large and small theatres, comedy clubs and performance venues. 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.

### SPORT

Manchester is home to world-class sports facilities such as the National Squash Centre, the North West Regional Basketball Centre and Manchester Velodrome. 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 cricket 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. 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, Urbis, the Lowry and the Manchester Art Gallery are also not to be missed.

### FASHION FLAIR

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.

DISTANCES FROM MANCHESTER		
CITY	DISTANCE IN MILES	TIME BY RAIL
Edinburgh	220	3 hrs 30 mins
Liverpool	35	47 mins
London	210	2 hrs 15 mins
Oxford	155	2 hrs 45 mins
York	70	1 hr 30 mins

BEYOND THE UK...	
CITY	FLYING TIME
Dublin, Ireland	1 hr
Amsterdam, Netherlands	1 hr
Paris, France	1 hr 30 mins
Milan, Italy	2 hrs 15 mins
Barcelona, Spain	2 hrs 30 mins
Berlin, Germany	1 hr 50 mins
Oslo, Norway	2 hrs 10 mins
Istanbul, Turkey	4 hrs 10 mins





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 road full of neon-lit restaurants. As the name suggests, Rusholme’s bhangra-blaring 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 would like to try 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 minute’s 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 major European cities and beyond. 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’. It has a temperate climate and in the summer, you can expect some 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!

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 Universities 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 Piccadilly Gardens                    |

FACTS ABOUT MANCHESTER

Population of 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.manchesteronline.co.uk/tourist/greatermanchesterstatistics](http://www.manchesteronline.co.uk/tourist/greatermanchesterstatistics)



# COURSE UNITS AT THE UNIVERSITY OF MANCHESTER

## 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, meaning 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 resulting in you meeting 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.

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.

## 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. **Please note that alternative assessment is not available in semester 2 under any circumstances.**

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/study/international/study-abroad/course-units](http://www.manchester.ac.uk/study/international/study-abroad/course-units)

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

*\* Erasmus exchange students are largely restricted to study within the academic Subject Area covered by the exchange agreement.*

## ARCHAEOLOGY AA

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.

### 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 Archaeology; Changing Worlds in the Near East & East Mediterranean; Pacific and Australian Archaeology; Historical Archaeology; The Ritual Life of Monuments; Funerary Landscape Archaeology; Neolithic Britain; Palaeolithic and Mesolithic.

## ART HISTORY AND VISUAL STUDIES AA

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 on regions from Britain, Western Europe and North America, to the Middle and Far East.

### Example course units (not exhaustive)

Ice Age to Baroque: Artworks in History; Rococo to Now: Artworks in History; Surrealism; The Afterlife of the Object; Art in Britain from Turner to Whistler; Art Spaces; Art in Theory; Avant-Garde Moves; Film and Modernism; Picasso; William Blake and Modern Culture.

## BUSINESS AA

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 Projects; Investment Economics and Innovation; Technology, Strategy and Innovation; Entrepreneurial Skills; Business Intrapreneurship Skills; Real World Problem Solving; Tools and Techniques for Enterprise; Interdisciplinary Sustainable Development.

Other academic departments also offer Management and Leisure course units including: History of Leisure; Marketing; Leisure Law; Introduction to Leisure Management Skills; Financial Management; Management Services; International Leisure; the Football Business; Corporate Responsibility.

*MBS also has many individual exchange agreements with universities worldwide – check out the website to see if your university has an agreement: [www.mbs.ac.uk/programmes/undergraduate/international-exchange](http://www.mbs.ac.uk/programmes/undergraduate/international-exchange)*

## 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 John Polanyi and Michael Smith.

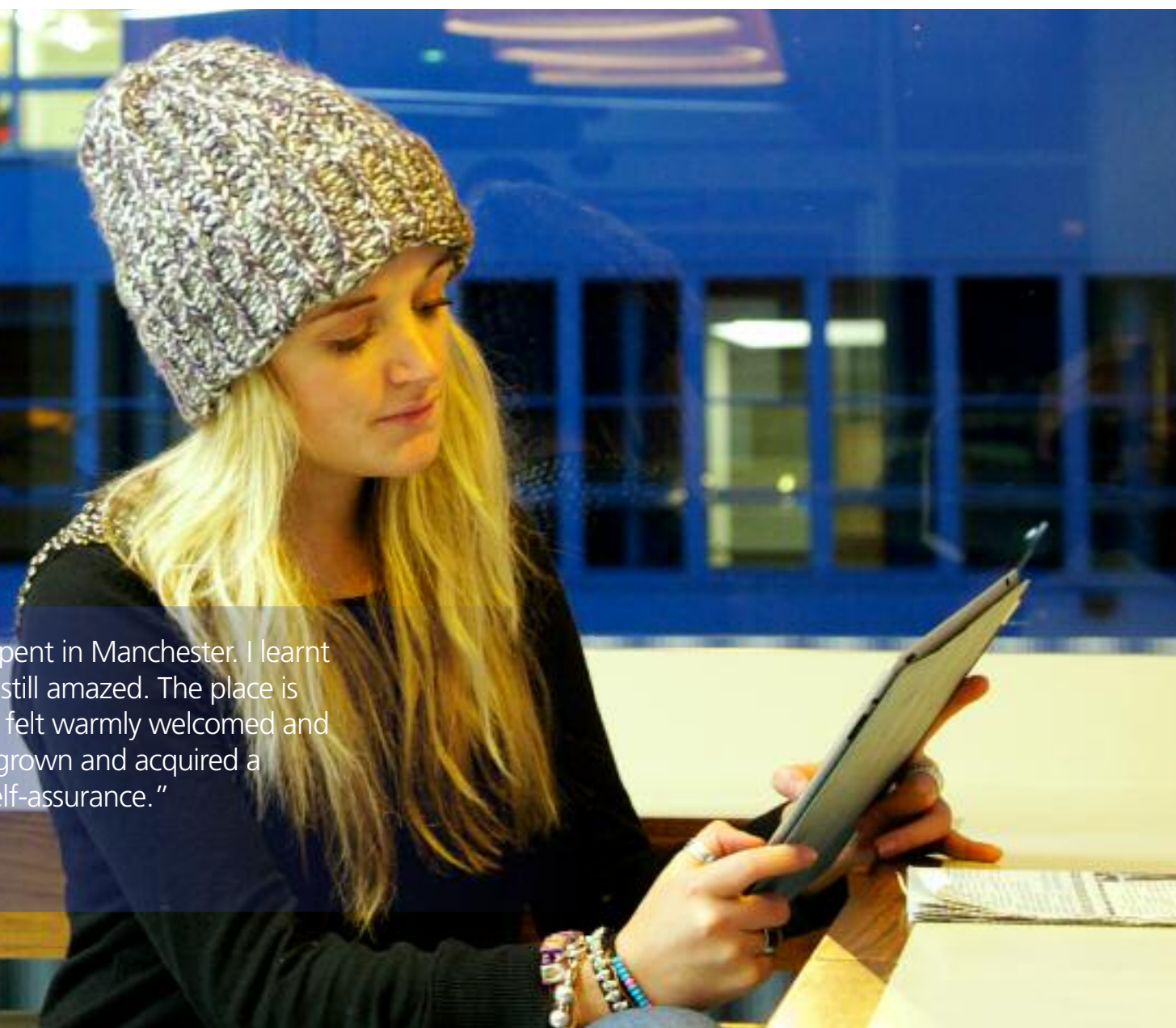
### Example course units (not exhaustive)

Inorganic/Structural Chemistry; Quantitative Chemistry; Introduction to Forensic and Analytical Chemistry; Introductory Astronomy and Cosmology; Fundamentals of Biochemistry; Organic Chemistry; Physical/Theoretical Chemistry; Macromolecular and Polymer Chemistry; Atoms and Nuclei; Drug Toxicity; Organic Chemistry.

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.

"I really felt happier in the few months I have spent in Manchester. I learnt so many things and met so many people, I am still amazed. The place is truly beautiful and the people are great. I really felt warmly welcomed and at my ease during my staying. I feel like I have grown and acquired a better knowledge of myself and I have more self-assurance."

Vincenza Ferrigno,  
Haute Ecole de Bruxelles – ISTI, Belgium



## COURSE UNITS



## COURSE UNITS

### CLASSICS AND ANCIENT HISTORY AA

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 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.

### DRAMA AA

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: Theatre and Performance; Performance Practices, Practitioners in Context. Screen Studies: Art of Film, Screen Culture and Society; Video Practices.

### 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 AA

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

#### EARTH SCIENCES AA

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

Introduction to Planetary Science; Origins and Evolution of the Solar System; Comparative Planetology.

#### PETROLEUM ENGINEERING

Formation Evaluation; Reservoir and Production Chemistry; Geomechanics for Petroleum Engineers; Drilling Engineering; Production and Surface Facilities Engineering.

### ENGLISH LITERATURE, AMERICAN STUDIES AND CREATIVE WRITING AA

English Literature, American Studies and Creative Writing boasts specialists across its disciplines, and the 2008 Research Assessment Exercise rated the division 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)

Mapping the Medieval; American Literature and Social Criticism 1900-present; Beat Writing; Contemporary Post-Colonial Literature and Film; Kipling, Forster and India; Shakespeare: Genre, Text and Performance; Forms of Poetry; Theory and Text; Literature and History; Writing, Identity and Nation; Futuristic Fictions; Creative Writing: Fiction/Poetry.

### ENVIRONMENT, EDUCATION AND DEVELOPMENT AA

The School of Environment, Education and Development (SEED) is an internationally recognised centre of excellence in both research and teaching. Our core aim is to understand and improve the uneven relationships between society, economy and the environment. SEED is a working collaboration between five interrelated specialisms: Architecture, Education, Geography, Institute for Policy Development Management, and Planning and Environmental Management.

#### Example course units (not exhaustive)

#### GEOGRAPHY

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.

#### ENVIRONMENTAL MANAGEMENT/URBAN STUDIES

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.

### 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.



### INTERNATIONAL STANDING

The University attracts world-renowned researchers and teachers and boasts no fewer than 25 Nobel prize winners amongst its current and former staff and students.





## COURSE UNITS

### HISTORY AA

In History, we study people's experience of change and continuity over time. We explore the key features of what it means to be human in diverse 'real-life' settings, from the perspectives of participants. The root causes of everything that dominates the worldwide agenda today – globalisation, civil wars, human rights, access to education, and many more 'big issues' – lie in the past, both recent and distant, and cannot be understood without reference to the past.

Manchester's History Department is one of the biggest in Europe. Staff expertise ranges across time from the collapse of the Roman Empire to the collapse of communism in Europe, and across space to include Sub-Saharan Africa, India, China and the Caribbean, as well as Britain. Our specialists investigate themes like childhood, the refugee experience, the media, technologies of war, religion, urban space and many other key features of human society. The courses are demanding and ambitious, but rewarding, because they focus on autonomous thinking based on extensive reading by the students.

#### Example course units (not exhaustive)

From Middle Kingdom to Economic Superpower: The Making of Modern China, 1800-2000; Forging a New World: Europe c.1450-1750; Colonial Encounters: Violence, Race and the Making of the Modern World; The Making of the Modern Mind: European Thought from the Enlightenment to the First World War; Who Do You Think You Are? Gender, Class and Nation in Modern Britain (1750-2000); The Cultural History of Modern War; From Catastrophe to Crusade: Europe; in the Aftermath of the Vikings.

### HISTORY OF SCIENCE, TECHNOLOGY AND MEDICINE AA

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, 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; The Information Age; Key Issues in Contemporary Medicine: What Can History Teach Us?; Madness and Society; The Nuclear Age: Hiroshima to Nuclear Terrorism; The Crisis of Nature; From Baker Street to CSI: a History of Forensic Medicine. See: [www.chstm.manchester.ac.uk/undergraduate/courses](http://www.chstm.manchester.ac.uk/undergraduate/courses) for full details.



"Personal Development: This is probably the biggest part. I changed a lot during my stay and I want to say thank you to Manchester for that. Manchester is a real student town. Never change that. If I had known how the student life in Manchester is, I would have applied to do my whole MPhys in Manchester."

**Manuel Salzberger,**  
Technische Universität München, Germany

### LANGUAGES AND CULTURAL STUDIES AA

The global context informs the intellectual agenda of these disciplines with a range of languages and cultures 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; Modern Chinese Literature and Film; East Asian Media Culture; Introduction to Japanese Studies; Religion in Japan; Bodies, Gender and Sexuality in Modern Japan.

##### ENGLISH LANGUAGE AND LINGUISTICS

Experimental Phonetics, Phonology, Morphology, Syntactic Theory, Grammatical Semantics, The Logic of English, Introduction to Pragmatics, Interactional Pragmatics, Discourse Analysis, Typology, Language Variation and Change, Societal Multilingualism, English Dialects, Old English Language, Middle English Language; Child Language Acquisition and Psycholinguistics.

##### FRENCH STUDIES

Studying the French Language; French Cinema to 1980; French and Francophone Cinemas; Literature and Social Issues; Representing the Holocaust; Protest Music in France; Post-structuralism in Barthes and Derrida.

##### GERMAN STUDIES

Introduction to German Linguistics; Translating New Writing; Satire on the German Stage; The German Language Today; Reason and Emotion in 18th Century German Culture; Culture and Dictatorship in 20th Century Germany; New German Identities; Myth and Reality in 19th Century German Culture; Screening the Holocaust; German Dialects.

##### ITALIAN STUDIES

Italian Language and Linguistics; 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; Detective Novel in Italy.

##### MIDDLE EASTERN STUDIES

The Contemporary Middle East; Revolutions in the 20th Century Middle East; 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: Studying Islam; Key Debates in Modern Islam; Women and Gender in the Middle East and North Africa; Shi'ism: The Other Islam.

##### 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; Soviet Cinema and Society; War, Memory and Politics.

##### 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.

##### LANGUAGES FOR NON-SPECIALISTS

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

### LAW AA

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 International, European and English 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. The Law School also offers a Criminology degree, with a range of interesting course units, taught from an essentially interdisciplinary perspective. See: [www.law.manchester.ac.uk/undergraduate/courses/modules](http://www.law.manchester.ac.uk/undergraduate/courses/modules) for full details.

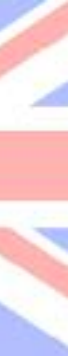
#### Example course units (not exhaustive)

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



## INTERNATIONAL STANDING

The University of Manchester is one of the UK's most popular universities, receiving more than 59,000 applications for undergraduate study in 2014.





## COURSE UNITS

### LIFE SCIENCES AA

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; A History of Biology in 20 Objects, Haematology, Parasitology; Population Dynamics and Ecosystems; Trees and Forests; Molecular Biology of Cancer; Animal Diversity.

See: [www.manchester.ac.uk/lifesciences/studyabroad](http://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, but have an interest in the biosciences. If you do not have advanced biology qualifications, but are interested in this exciting and ever-expanding subject, this module is for you. Students will be introduced to: 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.

### MATERIALS

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)

##### BIOMATERIALS SCIENCE AND TISSUE ENGINEERING

Fundamentals of Materials Science; Biomaterials; Materials Science; Mathematics; Mechanics and Biomechanics; Characterisation and Biomaterials; Design, Management and Team Project; Fundamentals of Materials Engineering; Molecular Biology and Biocompatibility; Failure of Materials; Advanced Biopolymers and Colloids; Structural Natural Fibres; Tissue Engineering; Biological Matrices - Natural and Synthetic; Clinical Applications in Biomaterials; Nanobiomaterials; Core Materials Science; Tissue Engineering and Clinical Applications; Nanomaterials; Advanced Processing; Biopolymers, Colloids and Gels; Natural Materials and Biological Matrices; Drug Delivery and Biosensors.

##### MATERIALS SCIENCE AND ENGINEERING

Physics of Materials; Equilibrium Thermodynamics; Microstructure of Materials; Mechanical Behaviour; Structure of Solids; Functional Properties and Environmental Interactions; Materials – Shaping the World; Applied Mathematics for Engineers; Materials Science and Engineering; Fundamentals of Materials Science; Mechanics and Micromechanics; Characterisation and Materials Physics; Fundamentals of Materials Engineering; Functional Materials; Structural Applications in Materials Science; Advanced Functional Materials; Performance of Materials in Service; Nanomaterials; Materials Characterisation and Simulation; Energy Materials; Advanced Processing; Advanced Structural Materials.

##### TEXTILE SCIENCE AND TECHNOLOGY

Product Analysis; Integrated Design; Essential Textile Science and Mechanics; Introduction to Fashion and Textiles Management; Introduction to Clothing Technology; Product Performance and Evaluation (Fabric); Product Performance and Evaluation (Colour); Design Technology; Fibre, Yarn and Fabric Technology; Sensors and Smart Textiles; Colouration and Polymer Technology; Smart Colouration and Finishing; Advanced Manufacturing Techniques; Technical Textiles; Production Management.

##### FASHION RETAIL, BUYING, MARKETING AND MANAGEMENT

Fashion; Materials Innovation for Fashion; Fashion Marketing and Retail; Fibre to Garment; Garment Technology; Management and the Apparel Pipeline; Fashion Product Development; Operations Management; Consumers and Market Analysis; Garment Production Technology; Fashion Buying and Merchandising; The In-store Environment; Online Fashion Retailing; Fashion Brand Promotion; Digital Branding; Design Management; Buying Communication; Sourcing and Distribution; Advanced Clothing Technology; Fabric Design; CAD Multimedia Design Project; Fashion Project; Retail Strategy; Strategic Management; Contextual Design Research; Production Management; Fashion Strategy; Textile Design Project; International Fashion Textiles Marketing; Ecommerce; Advanced Logistics and Supply Chain Management.

### 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.

### MATHEMATICS

The School of Mathematics is one of the biggest and most research-active schools of mathematics in the country. The School 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; Random Models; Martingales with Applications to Finance; Markov Processes; Statistical Methods; Discrete Mathematics; Combinatorics and Graph Theory; Statistical Inference; Numerical Analysis; Fourier Analysis and Lebesgue Integration; Time Series Analysis.

### MECHANICAL, AEROSPACE AND CIVIL ENGINEERING

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 biomechanics laboratory, wave tanks, one of 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 6 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.

## COURSE UNITS

### MUSIC AA

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 Post 1900; Acoustics; Electroacoustic Composition; Music, Culture and Politics from Beethoven to Wagner; Early Opera.

"Studying and living in Manchester was a fantastic life experience that I will never forget."

Megan Hughes,  
University of California Santa Barbara, USA





# COURSE UNITS

## 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 AA

Psychology has a long and impressive history at Manchester. We appointed the UK's first Professor of Psychology in 1919 and we were at the forefront of the emergence of the discipline. If you study at Manchester, you will be joining one of the longest-established Psychology departments in the UK.

As well as being one of the largest schools of psychology in the UK, with more than 40 staff and 700 undergraduates, we pride ourselves on our innovative and coherent course structure. It focuses on the areas where our research is strongest, so you know you are learning about cutting-edge theories in this exciting and challenging subject.

### Facilities

The School of Psychological Sciences benefits from excellent subject-specific facilities and equipment, including:

- Multiple high-resolution eye-trackers
- Child development laboratory
- Observation suite, complete with two-way mirrors
- Access to 1.5T and 3T MRI scanners and an on-site Mock MRI scanner
- Sleep lab
- Dedicated state of the art EEG facilities
- Gesture lab
- Human vision labs with 3D vision equipment

### 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.*

## RELIGIONS AND THEOLOGY AA

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, Politics 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 AA

Knowledge and Reality; Locke, Berkeley, Hume; 20th Century Analytical Philosophy; Philosophy of Mind; Aesthetics; Values We Live By; Critical Thinking: Discovering Reality; Mind and World; Philosophy and Social Science.

#### POLITICS AA

Introduction to Comparative Politics; Introduction to International Politics; Introduction to Political Theory; The Politics of Globalisation; Freedom and Equality: Contemporary Debates; Comparative European Politics; Mediterranean Politics; Chinese Politics Today; News Media and International Crisis; The Politics of Policy Making; Pluralism, Democracy and Citizenship; Politics of the European Union; Elections and Voters; Terrorism and Political Violence in Europe; The Politics of (in) Security; The Politics of Hate; Global Justice; Borders, Identity and Citizenship; Politics of Public Spending.

#### SOCIAL ANTHROPOLOGY AA

Culture/Power; Sex, Gender and Kinship; The Anthropology of Religion; The Ethnographer's Craft; Regional Studies of Culture; Images, Text and Fieldwork; Materiality, Sensoriality and Visuality; Cultural Diversity in Global Perspectives.

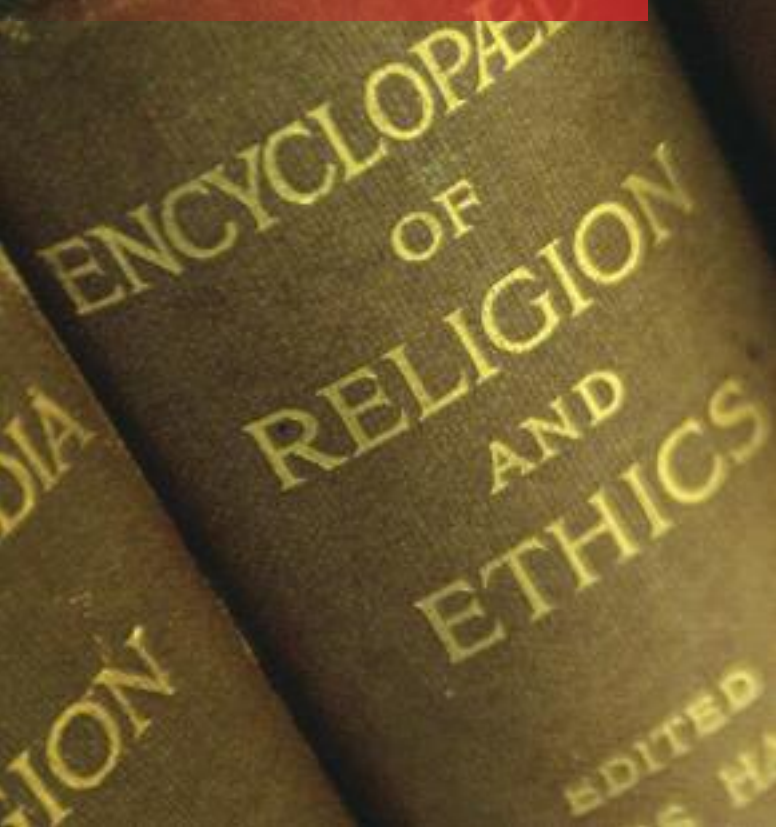
#### SOCIOLOGY AA

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.

# COURSE UNITS

“AMAZING. Best 5 months of my life. I made so many close friends, went to great parties, learnt a lot about myself and what I am capable of (and of course learnt some new things in class). So much fun, I am devastated I had to return home!”

Grace Cliffe,  
University of Melbourne, Australia



## 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).

“Manchester was a wonderful place to live in and study - I could get around very easily by bus and therefore see much of the city, and there was a large variety of fascinating classes offered; I truly loved my time there.”

Carrie Burgess,  
Colgate University, USA





# 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

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 your main year/semester academic programme.

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 Pathway 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.

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](http://www.ulc.manchester.ac.uk/english/full-time/pre-sessional)

The language study component is carried out in the University Language Centre (ULC) at The University of Manchester. Students must complete an additional separate application form for the language study.

\*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. Many 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/study/international/study-abroad-programmes/pathways/pre-law](http://www.manchester.ac.uk/study/international/study-abroad-programmes/pathways/pre-law)

## 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 element of the programme is called Leadership in Action. Leadership in Action units aim to help you understand what it means to be a leader in the 21st century. The units explore complex current problems and ask how does change happen? Who makes it happen? What does that tell us about leadership and how we do it?

Leadership in Action units provide you with the tools to critically evaluate models and approaches to leadership and to apply those to a range of 21st century problems, such as poverty and inequality; environmental sustainability; ethics and responsibility.

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

# SPECIALIST PATHWAYS

## SUSTAINABILITY PATHWAY

Sustainability can be defined as 'development that meets the needs of the present without compromising the ability of future generations to meet their own needs'. Students opting to follow our Sustainability Pathway can deepen their understanding of the issues and challenges surrounding sustainability at both micro and macro levels.

A number of course units enabling students to learn more about environmental issues are available, including Material Worlds: Geographies of Natural Resources; Sustainable Cities; Cities and Society; Environmental Impact Assessment; Global Climate Change; Environmental Processes and Change: The Global System; Physical Geography and Contemporary Environmental Issues; Protected Landscapes; History of Climate Change; Environmental Challenges; Manchester Sustainable Cities Project; Energy Resources; Climate and Energy.

Students can also get involved in sustainability issues whilst studying at Manchester by engaging with various initiatives such as the Students' Union Climate Change Campaign and Going Green Environmental Policy, and the Student Sustainability Forum, which holds monthly meetings in the Students' Union. You can also join the Students' Union Bike Group; become an Environmental Representative in your Hall of Residence; become a Green Impact Auditor; become a Green Impact Project Assistant; take part in a Living Lab project; complete the NETpositive Student Tool; or join the Students' Union Social Responsibility Group.

Sustainability is increasingly at the heart of many of The University of Manchester's top-flight research groups. We are home to the UK's largest single campus-based community of researchers with interests in sustainability and the environment, and research groups such as the Tyndall Centre for Climate Change Research, the Joule Centre for Energy Research, the Centre for Urban Regional Ecology, the Sustainable Consumption Institute and the Brooks World Poverty Institute are committed to ongoing research into sustainability issues.

Students also undertaking the Leadership and Service Pathway (pathways are not mutually exclusive) can get involved with local environmental and conservation projects as part of their community engagement activity.

**"You've got access to one of the UK's largest academic libraries, more than 10,000 PCs across campus, e-learning facilities, and excellent teaching resources for both arts and sciences."**

**The Guardian University Guide**





# 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. Note that fees will always apply for these Summer Schools, including for Exchange Students.

## 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-education/programmes/core-programmes/leadership/european-summer.aspx](http://www.mbs.ac.uk/executive-education/programmes/core-programmes/leadership/european-summer.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 three weeks.

For further details, application forms and costs, please visit:  
[www.ulc.manchester.ac.uk/english/full-time/english-summer-programme](http://www.ulc.manchester.ac.uk/english/full-time/english-summer-programme)

## MANCHESTER INTERNATIONAL SUMMER SCHOOL (MISS)

This three-week course is ideal for students based overseas who would like to experience studying abroad and explore British culture and history, using the contemporary city of Manchester and its region. The course runs in July, the best time of the year in England.

Two hundred years ago the modern world began in Manchester. In this city, entrepreneurs and workers created the economic and political structures of modernity. Simultaneously, political thinkers, social reformers, artists and writers sought to understand the significance of those changes. What happened in Manchester between 1750-1850 changed the world. MISS is your chance to explore and understand Manchester's significance as a world-historical city.

Do you want to know how industrialisation changed everything – from how we work and where we live, to what we do in our leisure time? Are you interested in the role played by Manchester and Liverpool in the development of British popular music? How football developed from a leisure pursuit to a multi-billion pound industry? How what happened in Manchester impacted on the Bronte sisters in Haworth? How the inhabitants of the 'real' Downton Abbey coped with these changes? You can find answers to these questions through this course.

At MISS you will explore Manchester through lectures and seminars with leading academics. You will be given an opportunity to develop a wide range of academic skills. Our Summer School is both intellectually challenging and pleasurable. We will take you to art galleries, museums, stately and historic homes, and show you the city's celebrated Victorian and modern architecture.

To find out more information and how to apply:  
[www.manchester.ac.uk/summerschool](http://www.manchester.ac.uk/summerschool)

"I had an amazing experience. Although the teaching and examinations differed somewhat from what I am used to, it was surprisingly easy to get the information I needed, as my professors were more than helpful."

Susanne Hansen,  
Aalborg University, Denmark

# ENTRY REQUIREMENTS

All applicants must be registered and be in good academic 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. You must be able to evidence at least two complete semesters of study on your academic transcript at the time of application.

## ENGLISH LANGUAGE PROFICIENCY

### Worldwide Exchange and Fee-Paying Study Abroad Students

If English is not your first language, you will need to provide evidence of your English language proficiency. For most international students who have not achieved a grade C or above in GCSE, IGCSE or O-level English, you will be required to demonstrate English proficiency through an approved testing system such as IELTS, TOEFL 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.

Please see our website for further information and for the minimum acceptable levels for admission to the Study Abroad Programme:  
[www.manchester.ac.uk/study/international/study-abroad/entry-requirements](http://www.manchester.ac.uk/study/international/study-abroad/entry-requirements)

Please note that IELTS and TOEFL scores only remain valid for two years. If you are applying with a certificate which was achieved over two years before your application, then you will need to retake the test.

### Erasmus Students

Whilst we expect Erasmus students to be proficient in English to the levels specified on our website, we do not require Erasmus students to provide certification of their English Language proficiency as part of our admission process.

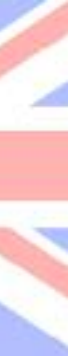
## ENGLISH LANGUAGE SUPPORT

Whilst we do require all non-native English speakers to meet our standard entry requirements, we are keen to support students whose first language is not English.

We strongly encourage all non-native English speakers to undertake our free English Language Proficiency test on arrival. This test enables students to identify the areas of English language in which they would benefit most from additional support and to take advantage of the corresponding non-credit, in-session language support courses that our University Language Centre offers at no cost. The University Language Centre (ULC) has over 30 years experience of running English language courses. These courses are accredited by the British Council.

We also offer a range of credit-bearing courses for non-native English speakers, including:

- Manchester Life and Language: British Cultural Ethnography for Non-Native English Speakers
- British Language and Culture through the News Media
- British Language and Culture through Film
- English Language in Use
- Creative Writing for Non-Native Speakers 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 International Programmes Office 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 College of Global Studies at Arcadia University ([www.arcadia.edu/abroad](http://www.arcadia.edu/abroad)); or CCSA ([www.ccsa.cc](http://www.ccsa.cc)) (North American students only).

If you are applying as an **Exchange Student (either non-EU or Erasmus)** 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 2015/16 academic year should be made using the online application system found at our website here: [www.manchester.ac.uk/study/international/study-abroad-programmes](http://www.manchester.ac.uk/study/international/study-abroad-programmes)

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) - *not required from Erasmus applicants, except those who are non-EU nationals applying for a Tier 4 Visa.*
- Proposed Study Plan (template downloadable from our website)
- Personal Statement (template downloadable from our website)

Other required documentation is listed at our website.

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](http://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).

## 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
Autumn Semester (September - January)	1 June
Spring Semester (January - June)	1 November

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.

# CHOOSING YOUR COURSE UNITS

- 1 Visit the International Programmes Office website and select the link to course units. [www.manchester.ac.uk/study/international/study-abroad-programmes](http://www.manchester.ac.uk/study/international/study-abroad-programmes)
- 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.

## 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 International Programmes Office for help.

- 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 timetable clashes.

You must list your course unit choices on the 'Proposed Study Plan' which forms part of your online application documentation.

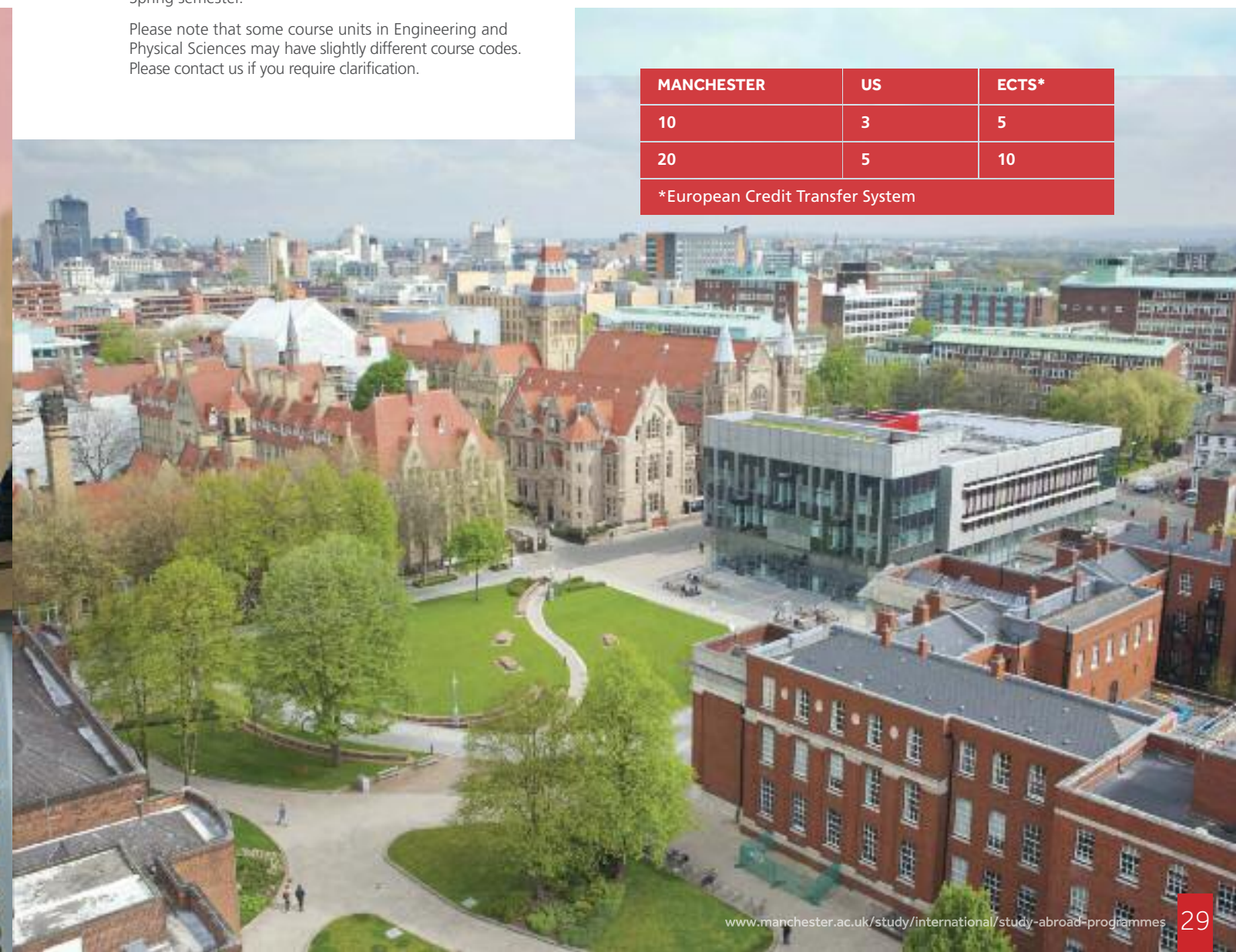
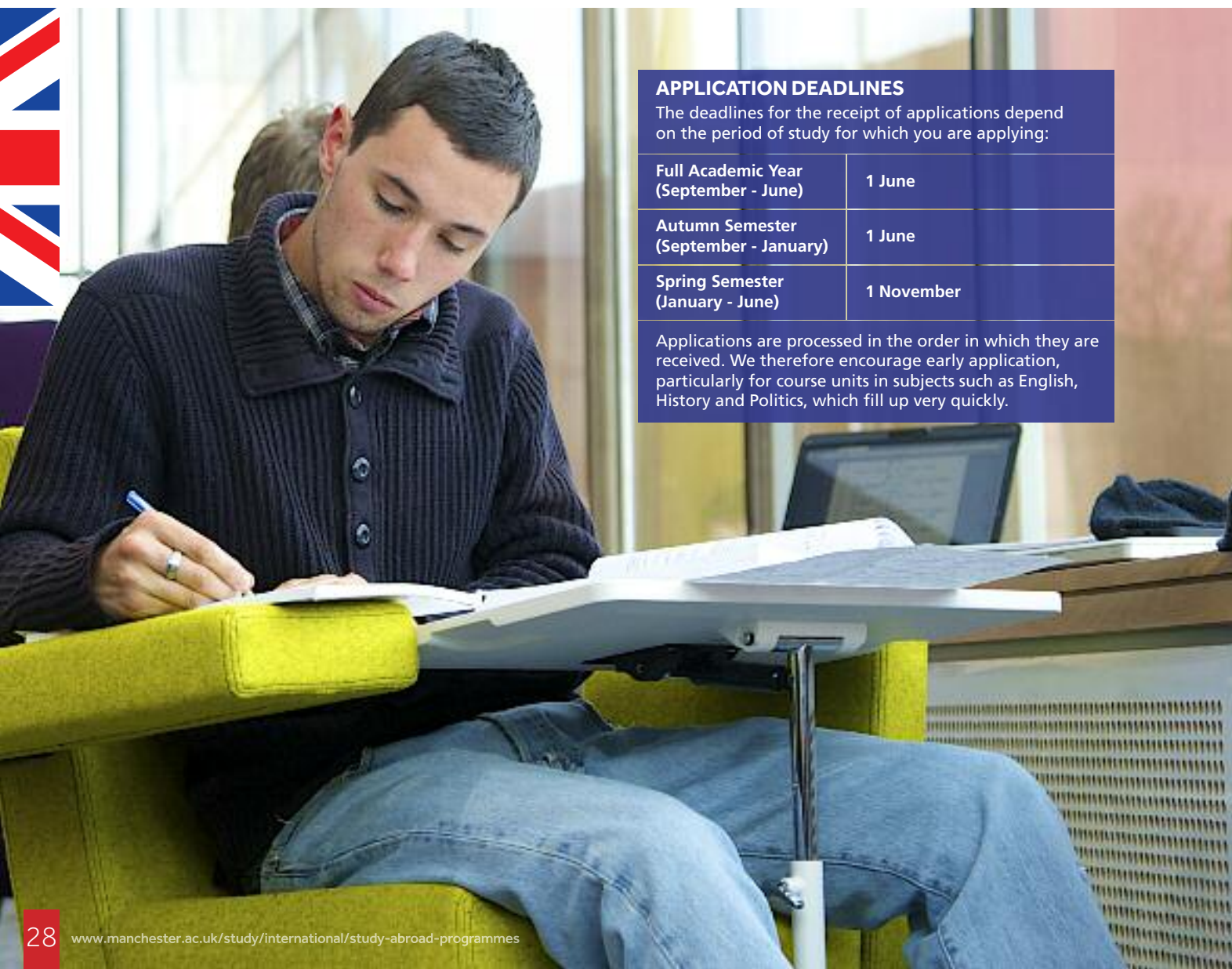
**It is important to discuss your course choices with your academic adviser at your home university to ensure that the courses that you take whilst you study at The University of Manchester are approved for credit transfer.**

## 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





"Manchester is the ultimate student city: vivacious, diverse, and stimulating academically and socially, it provides a great experience of British university life."

Lauren Beatty,  
Smith College, USA

"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

Cash

sh Here

## TUITION FEES

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

### 2015/2016

ACADEMIC YEAR	£12,000
SEMESTER	£6,500

The English Language pathway 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](http://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 2015/16 SESSION*	CALENDAR YEAR 40 WEEKS (£)	SINGLE SEMESTER 20 WEEKS (£)
ACCOMMODATION (average cost for self-catering halls)	4,850	2,425
MEALS (based on a budget of £38.00 per week)	1,520	760
BOOKS AND STATIONERY	415	205
CLOTHES (including warm clothing and footwear)	415	205
LOCAL TRANSPORT	540	267.50
OTHER GENERAL LIVING EXPENSES eg photocopying and printing, laundry, phone calls, consumables, entertainment, sports, cooking equipment etc	1,550	775
<b>TOTAL</b>	<b>9,290</b>	<b>4,637.50</b>
* Please note this table is based on estimates and actual costs will depend on your lifestyle.		

### SEMESTER DATES 2015-2016

#### FIRST SEMESTER

**ATTENDANCE**  
14 September 2015 – 18 December 2015

**CHRISTMAS VACATION**  
19 December 2015 – 17 January 2016

**ATTENDANCE\***  
18 January 2016 – 31 January 2016

\* Assessment period – see page 14 for circumstances in which attendance requirement may be waived

#### SECOND SEMESTER

**ATTENDANCE**  
1 February 2016 – 18 March 2016

**EASTER VACATION**  
19 March 2016 – 10 April 2016

**ATTENDANCE**  
11 April 2016 – 10 June 2016

Please note that as all Study Abroad students are required to attend the compulsory International Orientation Programme, students need to arrive in Manchester in advance of semester start dates. We will advise you of your suggested date of arrival in your offer letter.

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 Times Good University Guide** said: "Sports facilities, which were already first rate, have improved still further since the city hosted the Commonwealth Games."



[www.manchester.ac.uk/study/international/study-abroad-programmes](http://www.manchester.ac.uk/study/international/study-abroad-programmes)

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email [exchangestudy@manchester.ac.uk](mailto:exchangestudy@manchester.ac.uk)