

MANCHESTER
1824

The University
of Manchester

medical and human sciences

Pharmacy

undergraduate brochure 2009





the facts

34,000 students and **11,000** staff

500+ different degree courses

Best careers service in the UK

23 Nobel Prize winners

Alumni community of **212,000** in **200** countries

Guaranteed accommodation

4 million books in one of the best libraries

Fairtrade status since 2004

The most popular university – with more undergraduate applications than any other British university



'It's the most popular in the country... according to UCAS applications, and the most targeted by the UK's top graduate employers.'



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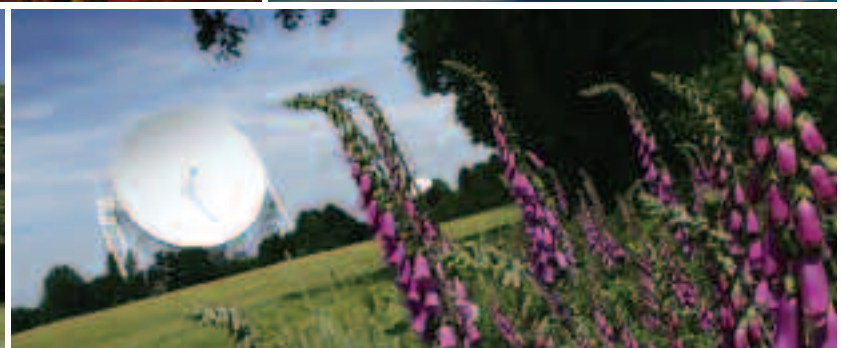
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university

'It has a strong reputation and a graduate employment rate consistently above the national average.'

The Guardian University Guide





The University of Manchester is Britain's largest and most popular university, with a distinguished history of academic achievement and an ambitious agenda for the future, right at the heart of one of the world's most vibrant cities.

The University has a 180-year tradition of success in research and learning. Many of the major advances of the 20th century began here, such as Rutherford's splitting of the atom and the development of the world's first modern computer in 1948.

The pioneering work continues today and every one of our students benefits from the fact that we are one of the country's big five research universities. We lead the world in ground-breaking research in areas as diverse as cancer studies, poverty reduction and nuclear science and our teaching is informed by the very latest cutting-edge developments and discoveries.

Our target is to become one of the top 25 universities in the world by 2015 and the university that the best students, teachers and researchers choose to come to. We have backed up this plan with a huge investment and are well on the way to achieving our ambitious goals.

We have some of the world's leading academics including writer Martin Amis; political scientist, Robert Putnam; and Nobel Prize Winners, geneticist John Sulston and

economist Joseph Stiglitz – who join the distinguished list of 23 Nobel laureates who have worked or studied here.

With more than 500 degree courses to choose from your opportunities here are unrivalled. And it's not just what we do, it's the way that we do it. The University's academic excellence is complemented by our worldwide reputation for pioneering problem-based learning; for courses that combine face-to-face tuition with online learning; and for innovative schemes where you can work on community projects while you study or experience life at the very best institutions in the world as part of your degree.

As a Manchester graduate, you will be joining an illustrious group. Our worldwide community of 212,000 graduates can be found in top positions in business, sport, politics, the media and the arts.

Your job prospects after studying at The University of Manchester are excellent. Employers recognise the value of a degree from here and our graduates are

among the highest paid in the country.

The University is a truly cosmopolitan community: our students come from around 165 countries. And it may be big, but our campus is compact and friendly. The benefits of a £650 million pound investment in new buildings are immediately obvious. High-tech teaching facilities and striking new buildings are popping up everywhere, between the impressive Victorian architecture we're famous for. We have our own museum, art gallery and theatre and the magnificent gothic John Rylands Library. The Students' Union has its own shops, cafés and bars and four live venues, including the Manchester Academy, which has just won the award for best entertainment venue in Manchester.

Our support services, sport and social facilities are second to none and, unlike at many universities, we can guarantee you somewhere to live in university accommodation for your first year (or your whole course if you are an international student).



The School of Pharmacy at The University of Manchester has a long history of training successful graduates to enter all branches of the pharmaceutical profession. Classes in Pharmaceutical Chemistry were being conducted in the School of Medicine by John Dalton (of Dalton's Atomic Theory) as early as 1824. The first lecturer in pharmacy was appointed in 1883 and Manchester was the first British university to offer degrees in pharmacy (in 1904).

The School of Pharmacy continues to lead the profession, incorporating the national Centre for Pharmacy Postgraduate Education (CPPE), which provides postgraduate training for England's 17,000 community pharmacists, and the Pharmaceutical Industry Advanced Training (PIAT) and Pharmaceutical Engineering Advanced Training (PEAT) programmes, which provide continuing education programmes for British and European Pharmaceutical Industry. Over the years the School has grown substantially from 9 members of staff and 130 undergraduates in 1950 to the current 35 full-time members of staff (plus 23 part-time), 700 undergraduates studying for a 4-year MPharm degree, 75 postgraduate research students studying for a higher, mostly PhD degree and 31 research staff. This growth in size has

been more than matched by a growth in stature. In the 2001 Research Selectivity Exercise (RAE), which ranks the quality of research in all UK universities, we were awarded the highest rating of 5* and in the most recent Subject Review by the Quality Assurance Agency (QAA) the School scored the maximum 24 points. The conclusions of the QAA report identified a number of positive features in the School. These included:

- The extent to which the curriculum is informed by the staff's research achievements
- The variety of teaching, learning and assessment methods employed at all levels, which contributes to student independent learning and the development of transferable skills
- The involvement of teachers with current experience of professional practice
- The excellent completion rates and evidence of the high achievements of students
- The excellence of the personal tutor support provided for students and the quality of counselling and welfare service provided centrally by the University
- The excellence of the library and IT resources, and the close liaison between library and school staff
- The comprehensive and robust quality management procedures and their effectiveness in promoting change
- The opportunities afforded to students to become involved in the management and delivery of courses



The School of Pharmacy has now relocated to the Stopford Building, where £18 million was allocated by the University for the provision of new teaching and research facilities for the School that provides our undergraduate students with state-of-the-art modern facilities. Specialised Aseptic Laboratories and Communication Studios have been built, along with a new Dispensing Suite and project laboratories. The School has a newly refurbished 90-terminal PC cluster which is freely accessible by undergraduates when not used for scheduled, supervised CAL classes, and provides word-processing, spread-sheet, graphics and statistical packages, WorldWideWeb and Library data bases. Through the Pharmacy Computer Assisted Learning (PCAL) Consortium, students can access all PCAL and Pharma-CAL-ogy software packages by any networked machines across campus. In addition, commercial software packages provide virtual laboratories for some course aspects where hands-on experimentation is not possible. Much of the CAL material is integrated into the undergraduate curriculum, through timetabled sessions, when the performance of individual students is monitored and tuition by academic staff available. Students have free access to the programmes during

personal-study times. Further public computer clusters offer similar services in Manchester Computing and Owens Park residences, which are supported 7 days/week.

The John Rylands University Library (JRULM), the third largest academic library in the country (2023 reading spaces), has long opening hours (approximately 80h/week in semester), and is also open during vacations. You take courses in use of the library, information retrieval and basic computing skills on first registration, skills re-enforced throughout the curriculum. JRULM holds extensive stock (3.5 million books, 7000 current research journals/texts, and very many networked CDROM databases). The library has electronic access to most journals used by the students. There is open access to circa 400 networked library PCs providing email, Internet, CAL software, on-line detailed library stocks/ book locations and web-links for data-searching.

course details

MPharm Pharmacy (B230)

Entry requirements

Pharmacy MPharm 4yrs
UCAS Code B230

typical offer

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

For full entry requirements see
www.manchester.ac.uk/ugcourses

GCSE or Equivalent

As and Bs English Language B
& Mathematics B.

GCE A-level / Unit Grades

AAB-ABB Chemistry & Biology or
Mathematics.

GCE AS-level Acceptability

Two GCE AS-levels accepted in place of
the third A-level.

GCE A-level Double Award

A-B accepted in place of the third A-level.

GCE AS-level Double Award Acceptability

A-B accepted in place of the third A-level.

BTEC National Diploma

DDD-DDM science-based (eg
Pharmaceutical Chemistry) & A-level
Chemistry grade B.

Welsh Baccalaureate (inc A-levels)

Pass & AB Chemistry & Mathematics
or Biology .

Scottish Advanced Highers

AAB-ABB Chemistry & Biology or
Mathematics. Alternatively Advanced
Higher Chemistry grade B plus five
Highers.

Scottish Highers

As and Bs in five subjects must be
offered alongside Advanced Higher
Chemistry (B).

Irish Leaving Certificate

A1A1A1B1B1 Higher level Chemistry,
alongside three other Higher level
subjects from: Mathematics, Physics,
Biology or English.

International Baccalaureate

Overall grade of 35. Higher level
Chemistry (minimum grade 7) must be
included alongside two Higher level
subjects from: Mathematics, Physics,
Biology at Grade 6.

European Baccalaureate

Successful completion of the
Baccalaureate, with an overall grade of
80% including 8 points from Chemistry,
Physics, Mathematics, Biology and English.

English language requirement

IELTS 7, Paper based TOEFL 600, Internet
based TOEFL 100, Computer Based
TOEFL 250.

Other subjects

General Studies & Critical Thinking are
welcomed but will NOT form part of the
standard offer.

Access or Foundation Courses

As standards between various Access and
Foundation courses differ, the School has
no generic entry requirement for
applicants who have taken such courses.
However, candidates must be studying to
the equivalent of GCE
A-level standard. Students educated up
to GCSE level, who have only taken a
one-year Access course, will not be
accepted. All UCAS applicants who are

being considered for entry will be invited
to attend computerised skills tests at the
School followed by a formal interview.

Criminal records disclosure

In addition to completing the disclosure
of criminal convictions section on your
UCAS form, you will be required during
the second year of the MPharm course to
submit to a criminal records check. This
takes the form of an Enhanced Level
search by the Criminal Records Bureau
(CRB). The School will assist students in
the completion of these forms.
All students must complete this
satisfactorily in order to commence the
Hospital Clinical Tutorials in the 3rd
and 4th year of the course.

Dress code

The School has adopted a communication
and dress code. Students must behave
professionally at all times and must be
able to participate fully in communication
and other skills training. Full details can
be found within the undergraduate
section of the School website.

Professional Accreditation

Royal Pharmaceutical Society of
Great Britain.

For further information on entry
requirements please contact
Suzanne Davies
(suzanne.davies@manchester.ac.uk)



MPharm Pharmacy

The overall objective of the course is to provide a broad based, scientifically and clinically strong education in pharmacy, which will enable you both to enter all areas of the profession on graduation and to adapt to changes that may occur during your professional life.

The basic core material extends through all four years of the course but there is the opportunity for specialisation in the fourth year.

By the end of the four years you will be conversant with the professional aspects of pharmacy, be able to communicate effectively and be able to appreciate the professional and social role of the pharmacist. These professional aspects will be developed further during your pre-registration year.

The MPharm degree is full-time and is organised on a modular basis. The majority of modules are compulsory, but there is opportunity in the final year to select modules to suit your career aspirations. During the first two years of the course, teaching is within the School of Pharmacy and Pharmaceutical Sciences whilst in the third and fourth years you have regular half-day visits to local hospitals where clinical sessions are held. A wide variety of teaching and learning activities are employed throughout the course including lectures, tutorials, practical classes, enquiry and problem-based learning sessions, computer assisted learning, group work and research projects. In the fourth year of the course you take the core subjects and one specialist course unit which can be chosen from the following semester 7 options:

Novel Drug Delivery Systems

Microbial Disease and Immunisation

Advanced Neuropharmacology

and one specialist course unit, taken from the following Semester 8 options:

Influences on Professional Practice

Cancer Biology and Therapy

Molecular Toxicology

Knowledge is mainly assessed in end-of-semester examinations by essay-type questions, short answers, multiple choice questions and computer-based assessment. Other forms of assessment include report-writing skills through a project, and practical skills by continuous assessment of practical classes and practical examinations. The final degree mark is based on the results of second, third and fourth year examinations and the fourth year project and extended essay.

course details

MPharm Pharmacy (B230)

MPharm course units

Semester 1

Organic and Pharmaceutical Chemistry
 Physical Pharmacy 1
 Foundation Biology *
 Foundation Mathematics *
 Academic Literacy *
 Core Tutorials and Practical Skills
 Information Technology
 Introduction to Hospital Pharmacy

Semester 2

Pharmaceutical Chemistry - EBL
 Cell Biology and Biochemistry
 Introductory Microbiology
 Physical Pharmacy 2
 Pharmaceutical Calculations
 Orientation to the Practice of Pharmacy
 Core Tutorials (pastoral only)

* Students will take one of the three foundation courses, as advised by the Director of Undergraduate Studies

Semester 3

Pharmaceutical Analysis
 Medicine Design 1
 Physiology 1
 Microbial Pathogenicity and Immunology
 Drug Toxicity and Medicinal Chemistry
 Core Tutorials (pastoral only)

Semester 4

Social Pharmacy
 Physiology 2
 Forensic Science
 Core Tutorials (pastoral only)
 Medicines Design 2
 Leadership in Action

Semester 5

Pharmacology 1
 Disease Management
 Extemporaneous Formulation
 Chemotherapy
 Pharmaceutical Microbiology
 Core Tutorials (pastoral only)
 Drug Disposition and Metabolism
 Using OTC Medicines & Complimentary Therapies in the treatment of minor ailments

Semester 6

Social Pharmacy
 Physiological Biopharmaceutics
 Pharmacology 2
 Law Relating to Pharmacy
 Rational Drug Design
 Disease Management
 Core Tutorials (pastoral only)

Semester 7

Disease Management
 The Dispensing Process and Law Relating to Pharmacy
 Social Pharmacy and Interprofessional Studies
 Novel Drug Delivery Systems +
 Microbial Disease and Immunisation +
 Advanced Neuropharmacology +
 Pharmacokinetics – Dosage Regimen Design
 Core Tutorials (pastoral only)

Semester 8

Molecular Toxicology+
 Cancer Biology and Therapy+
 Influences on Professional Practice+
 Production & Development of Drugs
 Disease Management
 Pharmaceutical Care
 Core Tutorials (pastoral only)
 Law Relating to Pharmacy Update
 Prescribing

** Essay

** Drug Development Workshop

** Project

** The above modules will be taken in either Semester 7 or Semester 8 as advised by the Director of Undergraduate Studies.

+ Current optional modules



Your career opportunities

Once qualified a pharmacist has a wide choice of career options:

Community Pharmacy

Community pharmacists, working from high street, local and rural pharmacies, use their detailed knowledge to ensure that the medicines ordered on the doctors' prescriptions or bought over the counter are correctly and safely supplied, with appropriate patient counselling on use, adverse side effects etc. They also act as readily accessible health advisors to the general public.

Hospital Pharmacy

Hospital pharmacists work directly with doctors, nurses and other health professionals to ensure that both in- and out-patients receive the most appropriate medicines and that those medicines are used in the most effective way. Additionally, the purchase, storage, manufacture, quality testing and distribution of medicines in NHS hospitals are primarily the responsibility of the pharmacy department.

Industrial Pharmacy

The pharmacist plays a vital role in all of the activities of the pharmaceutical industry, from research to technical and medical information, from product development to production.

Research

It is the research carried out in the laboratories of the pharmaceutical industry, research institutes, schools of pharmacy and in hospitals which pushes back the frontiers of knowledge and provides a basis for further progress in the development of medicines and their use.

course details

Foundation Year (B231)

Programme Information

The Foundation Year is the Year 0 component of the undergraduate MPharm degree designed to provide an excellent opportunity for students to adapt to the higher education system and prepare students for entry to The University of Manchester Pharmacy degree.

Students will be accepted from a wide range of educational backgrounds and each application will be considered individually. The Foundation Year is designed to cater principally for two groups:

1. Consideration will be given to students who have obtained A-level (or equivalent) in appropriate subjects for direct admission to the MPharm degree programme (i.e. Chemistry, either Mathematics or Biology) but who have experienced educational and other disadvantage, measured geo-demographically and by prior educational context.
2. Students who have obtained A-levels (or equivalent) but in subjects inappropriate for direct admission to the MPharm degree programme. A good standard of GCSE or equivalent in science and mathematics will also be required.

Following successful completion of the Foundation Year, students have a guaranteed place on the first year of the MPharm undergraduate degree programme.

Programme Structure

The Foundation Year is specifically constructed to prepare students for the first year of the standard 4-year course. A combination of core course units (Chemistry, Biology and Mathematics) and options (Orientation to Pharmacy) provides appropriate learning opportunities for students from diverse backgrounds. The majority of the Foundation Year is taught at Xaverian College which is a short walk from the main campus. Wherever the location, students are registered with the University of Manchester, with access to all its facilities and support systems.

Teaching and Learning

Teaching runs from the middle of September to the end of June, a total of 34 weeks including 6 weeks for revision and examinations. This is 4 weeks longer than the standard University year to maximise your preparation for degree level study. Regular laboratory work reinforces some of the subject material and helps develop practical skills. Study skills and help with the core content is provided through fortnightly tutorials. In addition to academic tutorial support, you are allocated a personal tutor for pastoral support. Your tutor will be available for one-to-one meetings and will become well known to you. Additional academic support will be provided by the foundation team in the School of Pharmacy and additional pastoral support will be available from the counselling services at Xaverian College and at the University.

Coursework and assessment

You are assessed by formal examinations (80%) in January and June and coursework and tests throughout the year. The coursework assessment in biology and chemistry will be mainly based on laboratory work.



Entry requirements

Pharmacy with a Foundation Year (5 years)

UCAS code: B231

1-year full-time (as part of a 5-year integrated degree programme leading to MPharm)

A-level

Students who have taken Chemistry, either Mathematics or Biology and one further subject at A-level, but do not achieve ABB or above will only be considered onto the Foundation Year if there is independent evidence that they have underperformed due to circumstances beyond their control.

Students are accepted from a wide range of educational backgrounds and each applicant will be considered individually. If you have already obtained A-levels (or equivalent) in subjects inappropriate for direct admission to the MPharm degree programme (ABB or above) a good standard of GCSE or equivalent in science and mathematics will also be required.

BTEC

See GCE A-level requirements

Scottish

See GCE A-level requirements

Irish

See GCE A-level requirements

IB

See GCE A-level requirements

GCSE

See GCE A-level requirements

Other/mature entry requirements:

Applications from mature students are considered and all such applications are reviewed on an individual basis.

Other international entry requirements:

For country specific requirements for this course, please contact the undergraduate admissions office within the School of Pharmacy and Pharmaceutical Sciences.

English Language requirements: IELTS at grade 7 with a minimum of 6.5 in any component. Students will have to complete communication skills.

Career Opportunities

Upon successful completion of the MPharm degree you are recognised by the Royal Pharmaceutical Society of Great Britain as entitled to register as a pharmacist after completing one year of pre-registration (professional) training.

Pharmacists are the profession legally responsible for the supply of medicines. Our pharmacy course has a broad interdisciplinary scientific and clinical base and is flexible enough to meet differing career aspirations, whether in community (high street, local and rural) pharmacies, GPs surgeries, hospitals, industry, government or universities.



accommodation

As long as you apply by the deadline, first-year students are guaranteed university accommodation in one of our halls of residence. For international students this promise is extended to the full duration of your studies.





All new undergraduate students at Manchester are guaranteed a place in a University flat or hall of residence for their first year. If you're an international student, this promise is extended to the full duration of your studies.

The University offers a wide range of residential accommodation, ranging from modern self-catering flats right through to traditional collegiate-style halls of residence. There are more spaces in university-managed accommodation here than at practically any other UK university.

Your hall 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, leisure facilities and a hectic programme of social activities.

Most of our accommodation is either on campus, in the neighbouring suburb of Victoria Park or a mile or so away in Fallowfield. These neighbourhoods are bustling with bars and shops catering for the student community.

Each hall is unique, but all halls have single study-bedrooms and, with the exception of some family accommodation, each has network points for email and internet use. If you opt for one of the self-catering halls, you will have your own room, but you will

probably share a bathroom, living room and/or kitchen with the other students in the flat, although rooms with en-suite bathrooms are also available. Catered halls include meals, which makes budgeting easier, and typically they also provide small kitchens for the preparation of drinks and snacks. A high level of security is provided; the majority of halls have swipe card access systems, and there are extensive CCTV networks and 24 hour security.

Some halls have specially adapted flats or rooms for students with a disability and catered halls are able to assist if you have special dietary requirements. If you do have any special needs, just get in touch with the Accommodation Office as soon as possible.

When you apply for accommodation, you are asked to select three hall preferences. Around 82% of applicants are placed in one of their options. If you are undecided about which halls to choose, come and see for yourself: applicants are welcome to make appointments to visit any of the residences, though the best opportunity to see what is available is the Accommodation Office's Open House held annually in March when all undergraduate halls are open for full viewing (details can be found on the Accommodation Office website).

Costs vary, depending on facilities, but 2008 prices range from around £71 per week for a self-catering room with shared facilities to £91 per week for a room with en-suite facilities. You can expect to pay from £97 per week for a room in a hall of residence with meals provided. All fees include the cost of utilities, insurance of personal possessions and internet connection.

A brochure providing information on all the residences is available from the Accommodation Office, University Place, The University of Manchester, Oxford Road, Manchester, M13 9PL.
tel +44 (0)161 275 2888
fax +44 (0)161 275 3213
email accommodation@manchester.ac.uk

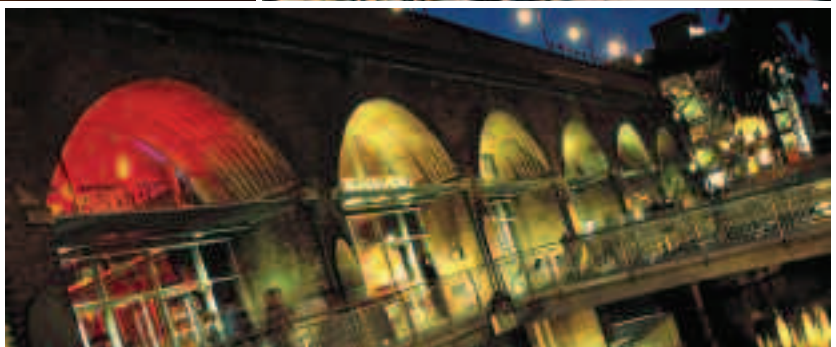
Detailed information on halls can be found at www.manchester.ac.uk/accommodation

In addition to the University's halls of residence, Manchester has a sizeable stock of private accommodation for rent.

tel +44 (0)161 275 7680
fax +44 (0)161 275 7684
email manchesterstudenthomes@manchester.ac.uk
www.manchesterstudenthomes.com



One of great benefits of being a student at Manchester is that all the joys of Britain's number one student city are right on your doorstep.





Manchester is a city of contrasts: A big city with a compact and friendly city centre. A trendsetting music and style capital that still has a place for traditional street markets and local pubs. A bustling metropolis whose famous Victorian architecture sits happily alongside stunning new developments.

Manchester is the shopping capital of the North West. There's an enviable range of flagship high street chains and designer stores. Highlights include Selfridges and Harvey Nichols in the heart of the city, but there are plenty of independent shops with a more hip feel in the Northern Quarter.

As a student here, you'll be spoilt for choice for food. There's a range of restaurants to rival any international city. Manchester has the largest Chinese community outside of London with a huge range of restaurants. Other Far Eastern communities are no less well represented, from Thai to Vietnamese, Malaysian to Indonesian. Another great Manchester experience is the fabulous curry mile in Rusholme. The range is enormous – not surprising for Europe's highest concentration of Asian eateries.

Manchester has launched some of the great names in music history... and this legacy lives on today in the city's vibrant

music scene. For big name live music there's the award-winning Academy at our own Students' Union, the Apollo and the MEN Arena. For smaller bands and unsigned talent you'll find a host of small venues. There are also vibrant folk and northern soul and jazz scenes.

If classical's more your thing - the Hallé and BBC Philharmonic Orchestras play at the Bridgewater Hall and closer to home are the performances of University and Royal Northern College of Music students.

Manchester's landmark galleries and museums like Daniel Libeskind's Imperial War Museum North, the Museum of Science and Industry, the Manchester Art Gallery or the University's own Whitworth Art Gallery, John Rylands Library and Manchester Museum give you lots of opportunity to see fantastic permanent and touring exhibitions.

Those of a more theatrical persuasion can make a night of it at one of the many theatrical and concert venues Manchester has to offer. The Lowry arts centre, which includes two theatres as well as galleries and restaurants, presents contemporary productions, including Opera North. Back in town, the Royal Exchange's in-the-round productions include everything from Shakespeare to Noel Coward. Fans of musicals and west end hits head to the

Palace Theatre and the Opera House, which hosts productions such as Phantom of the Opera and Chitty Chitty Bang Bang.

Manchester is top of the international sporting league. Our footballing pedigree speaks for itself being home to rivals Manchester City and – probably the city's most famous export – Manchester United. If you're not a football fan, there's lots more on offer: national and international cricket at Lancashire's Old Trafford Ground, rugby union at Sale Sharks and super league rugby at nearby Warrington and Wigan.

The legacy of world-class sporting facilities left by the 2002 Commonwealth Games – including the Manchester Aquatics Centre, on the University campus and the National Cycling Centre – has been built upon ever since. The most recent, and striking, addition being the UK's longest and widest indoor ski slope.

And if you get tired of all this city living a short trip will take you to two great national parks, the Lakes to the north and the Peak District to the east. The historic towns of Chester and York are also in easy reach, as are the varied delights of the north west coast.



find out more

Admissions and how to apply

The University welcomes applications from people from all backgrounds, and is fully committed to equality of opportunity. Find out more at www.manchester.ac.uk, or from the Undergraduate Admissions Office (+44 (0)161 275 2077).

All applications for full-time undergraduate courses in higher education are coordinated by the Universities and Colleges Admissions Service (UCAS). Students must apply online at www.ucas.com. Applicants who are unable to access the internet are advised to contact the UCAS Customer Service Unit on +44 (0)871 468 0468.

Tuition fees and Student loans

In 2008/09, all new full-time home/EU undergraduate entrants will be charged £3,145 per year tuition fees for all courses of study. This is likely to increase with inflation for 2009/10. You can defer payment of your tuition fees by taking out a student fee loan. Repayments begin the April after you leave higher education and earn more than £15,000 per year. Full details of tuition fees for home/EU and international students can be found on our website at www.manchester.ac.uk/undergraduate/fees

Scholarships and bursaries

In addition to any financial support that you receive from the government the University offers a generous range of bursaries and scholarships to help prevent financial hardship and reward excellence. You could receive up to £3,000 per annum to help you to pay your course fees and to support your living expenses. More information, including eligibility and how to apply, can be found at www.manchester.ac.uk/undergraduate/funding

International students

The University of Manchester is a multicultural environment and home to more than 8,000 international students from 165 countries.

A range of services is available for international students, to help you both before and during your studies in Manchester. This includes an airport collection service, orientation courses and specialist student advisers.

Visit the International Office website www.manchester.ac.uk/international for more information including material specific to your country, such as entrance requirements and useful contacts.

Disability support/applicants with additional support needs

We welcome applications from people with additional support needs and all such applications are considered on exactly the same academic grounds as other applications. If you have additional needs arising from a medical condition, a physical or sensory disability or a specific learning disability you are strongly encouraged to contact the University's Disability Support Office to discuss your needs, any arrangements that may be necessary and the extent to which appropriate support is available.

tel +44 (0)161 275 7512/8518

fax +44 (0)161 275 7018

minicom +44 (0)161 275 2794

email disability@manchester.ac.uk

www.manchester.ac.uk/disability

Information is also available from the Students' Union Welfare Officer

+44 (0)161 275 2945

www.umsu.manchester.ac.uk



Careers Service

Manchester's Careers Service has topped employer and student satisfaction polls for many years. We help students find part-time, volunteering and work experience opportunities as well as jobs after graduation.

We email thousands of vacancies to students throughout the year. As one of the most targeted universities by recruiters, Manchester's students have many opportunities to meet employers including: nine major careers fairs a year; presentations on campus; accredited careers modules; and mentoring programmes which match students to employers. We also run the prestigious Manchester Leadership Programme, which combines academic study on leadership with volunteering.

Many of these services and more can be accessed via our comprehensive website or at our Careers Resource Centre staffed by teams of professional careers consultants and information staff.

email careers@manchester.ac.uk
www.manchester.ac.uk/careers

Library and information services

The John Rylands University Library (JRUL) is one of the best-resourced academic libraries in the UK and is widely recognised as one of the world's great research libraries.

www.manchester.ac.uk/library

IT services

We have one of the largest academic IT services in Europe – supporting world-class teaching and research.

www.manchester.ac.uk/manchestercomputing

Sport

We have an active Athletic Union, vibrant Campus Sport programme, and a huge variety of health and fitness classes, as well as volunteering and scholarship opportunities.

www.manchester.ac.uk/sport

Students' Union

The University of Manchester Students' Union (UMSU) is the largest Students' Union in Europe, offering everything from live bands to welfare advice, cheap stationery to student representation. UMSU has some of the largest and most active student societies in the country, as well as support and welfare services.

www.umsu.manchester.ac.uk

Student support

Whatever the issue – financial, personal, academic or administrative – we have experienced and sympathetic people, support groups and advice centres to help you.

www.manchester.ac.uk/student-supportandservices

Student Services Centre (SSC)

The SSC provides a single point of access where you can complete all your administrative transactions with the University. A team of specialist advisers is available to provide advice and information.

tel +44(0)161 275 5000
 email ssc@manchester.ac.uk
www.manchester.ac.uk/ssc

Religious support

There are two chaplaincy centres for the major Christian churches. St Peter's House provides chaplains for the Anglican, Baptist, Methodist and United Reformed Churches, while the Roman Catholic Chaplaincy is at Avila House. Hillel House provides facilities for Jewish worship. There are prayer facilities on campus for Muslim students and student societies for many religions.

Childcare

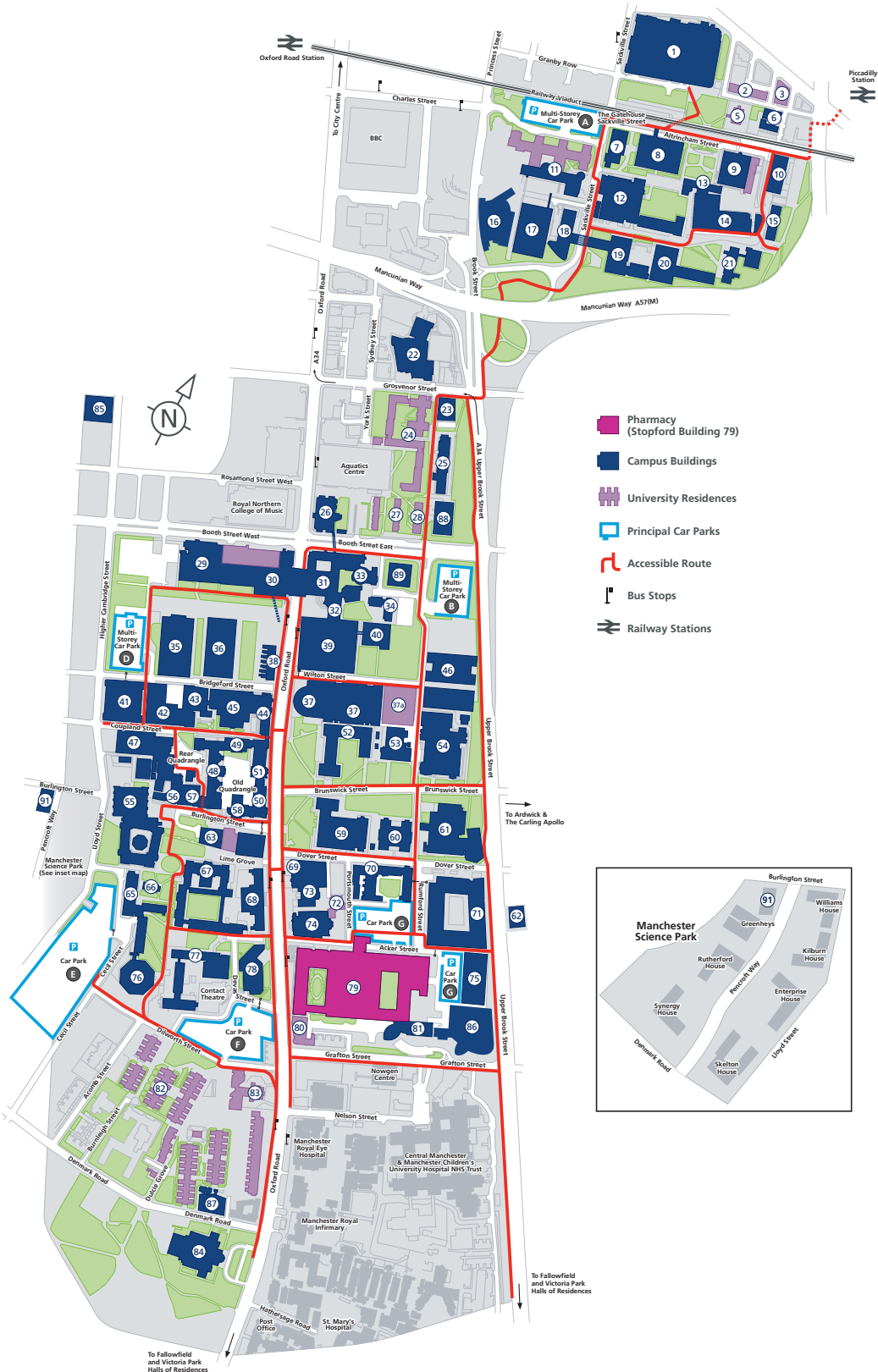
There are two centres for children between six months and five years of age.

tel +44 (0)161 272 7121
 (Dryden Street Nursery)
 +44 (0)161 200 4979 (Echoes Nursery)
www.manchester.ac.uk/studentexperience/childcare

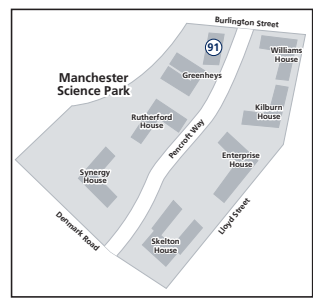
campus map



- | | | |
|---|---|---|
| 1 Sackville Street Building | 31 Crawford House | 62 Dryden Street Nursery |
| 2 Lambert Hall | 32 St Peters House/Chaplaincy | 63 Staff House Burlington Street |
| 3 Fairfield Hall | 33 Crawford House Lecture Theatres | 65 Mansfield Cooper Building |
| 5 Chandos Hall | 34 Prospect House | 66 Stephen Joseph Studio |
| 6 Echoes Day Nursery | 35 Humanities Bridgeford Street | 67 Samuel Alexander Building |
| 7 Paper Science Building | 36 Arthur Lewis Building | 68 Students' Union Oxford Road
(also at number 9) |
| 8 Renold Building | 37 University Place Visitors Centre | 69 William Kay House |
| 9 Barnes Wallis Building/Students'
Union/Wright Robinson Hall | 37a University Place Hall | 70 Dover Street Building |
| 10 Vision Centre / Moffat Building | 38 Waterloo Place | 71 Michael Smith Building |
| 11 The Manchester Conference Centre
and Weston Hall | 39 Kilburn Building | 72 Vaughan House |
| 12 Pariser Building | 40 Information Technology Building | 73 Avila House RC Chaplaincy |
| 13 Staff House Sackville Street | 41 Dental School and Hospital | 74 Holy Name Church |
| 14 The Mill | 42 Martin Harris Centre for Music
and Drama | 75 AV Hill Building |
| 15 Morton Laboratory | 43 Coupland Building 1 | 76 AQA |
| 16 Manchester Interdisciplinary
Biocentre - John Garside Building | 44 The Manchester Museum | 77 Ellen Wilkinson Building |
| 17 George Begg Building | 45 Rutherford Building | 78 The Academy |
| 18 Faraday Tower | 46 Alan Turing Building | 79 Stopford Building |
| 19 Faraday Building | 47 Coupland Building 3 | 80 Horniman House |
| 20 Ferranti Building | 48 John Owens Building | 81 The Manchester Incubator Building |
| 21 Maths and Social Sciences Building | 49 Beyer Building | 82 Whitworth Park Halls of Residence |
| 22 Sugden Sports Centre | 50 Whitworth Hall | 83 Grove House |
| 23 Oddfellows Hall | 51 Whitworth Building | 84 The Whitworth Art Gallery |
| 24 Grosvenor Halls of Residences | 52 Williamson Building | 85 Opal Hall |
| 25 Materials Science Centre | 53 Roscoe Building | 86 Core Technology Facility |
| 26 Manchester Business School East | 54 Schuster Building | 87 Denmark Building |
| 27 Bowden Court | 55 The John Rylands Library | 88 Newman Building |
| 28 Ronson Hall | 56 Schunck Building
Burlington Rooms | 89 Lamb Building |
| 29 Manchester Business School West | 57 Student Services Centre | 91 McDougall Centre |
| 30 Precinct Shopping Centre
Harold Hankins Building
Devonshire House | 58 Christie Building | |
| | 59 Simon Building | |
| | 60 Zochonis Building | |
| | 61 Chemistry Building | |



- Pharmacy (Stopford Building 79)
- Campus Buildings
- University Residences
- Principal Car Parks
- Accessible Route
- Bus Stops
- ⇄ Railway Stations

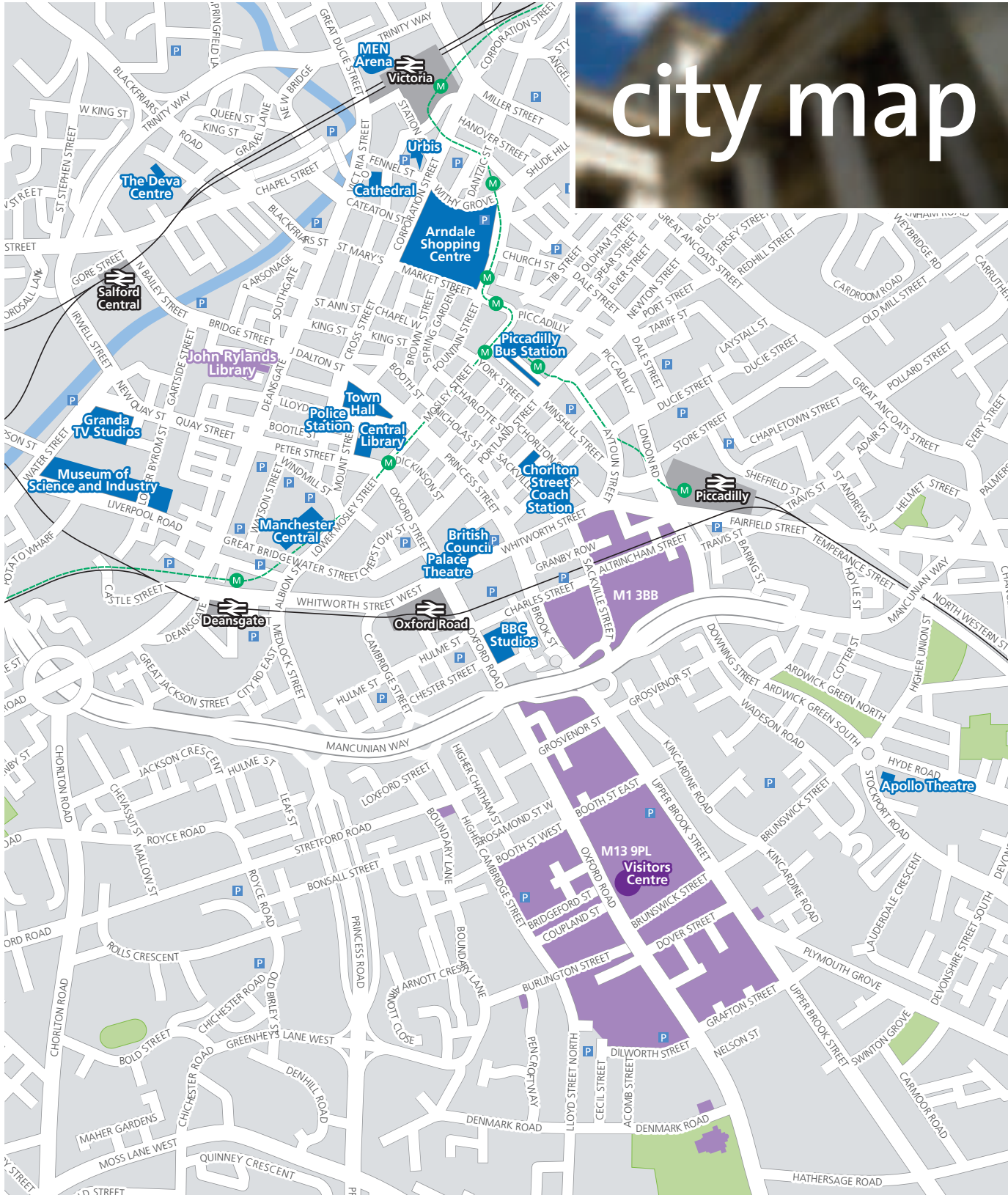


→ To Ardwick & The Carling Apollo

→ To Fallowfield and Victoria Park Halls of Residences

→ To Fallowfield and Victoria Park Halls of Residences

city map





contact details



address

For further information on admissions, please write to:

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website www.manchester.ac.uk/pharmacy

From Piccadilly Railway Station

From Piccadilly Railway Station catch service 147, or walk to Piccadilly Bus Station and catch one of the following services: 14, 16, 41, 42, 43, 43a, 44, 45a, 48, 111, 140, 142, 157, 250.

From Victoria Railway Station

Either take the Metrolink tram, or walk to Piccadilly Gardens Bus Station (not the Railway Station) and follow the directions above.

Parking

Please note that parking near the School is available in several car parks on campus and in a new multi-storey car park.

Disclaimer

This brochure is prepared well in advance of the academic year to which it relates. Consequently, details of courses may vary with staff changes. The University therefore reserves the right to make such alterations to courses as are found to be necessary. If the University makes an offer of a place, it is essential that you are aware of the current terms on which the offer is based. If you are in any doubt, please feel free to ask for confirmation of the precise position for the year in question, before you accept the offer.

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