

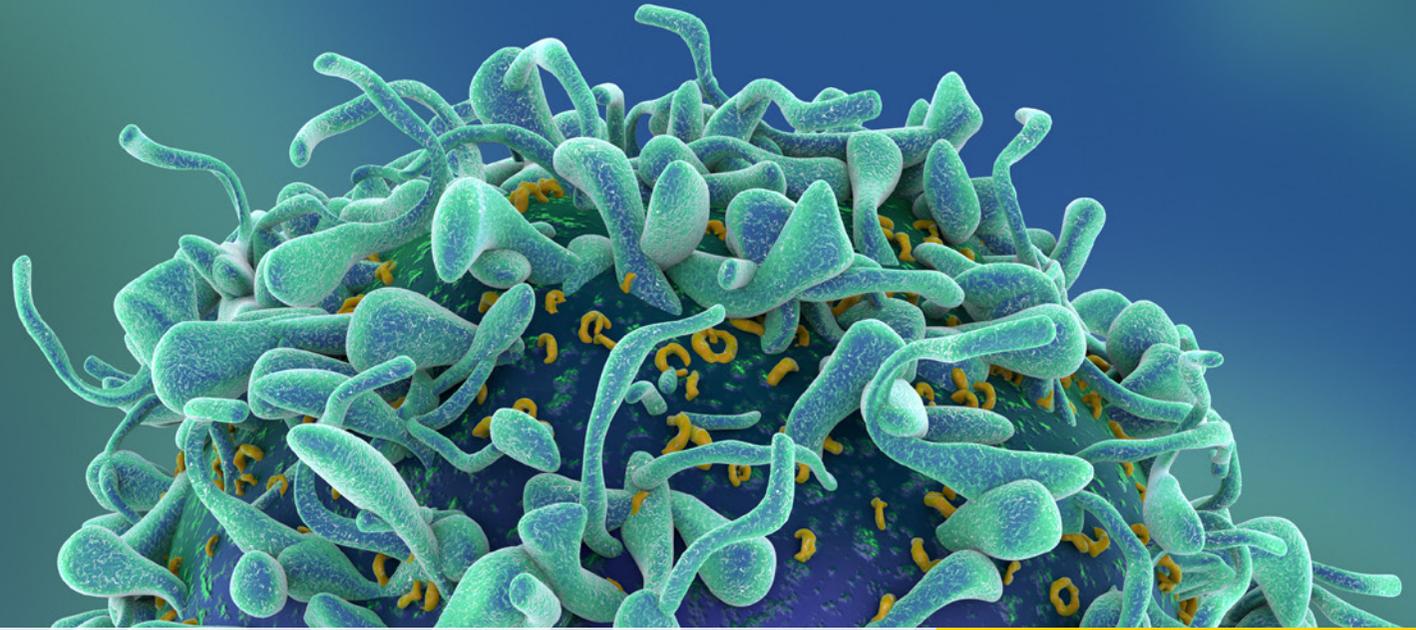
MANCHESTER
1824

The University of Manchester



CHOOSING A COURSE

BIOSCIENCES



UK universities typically offer a large range of biosciences courses.

Although many of these courses are related, the exact content will be different, and course content will vary across the universities even if they share the same course name and UCAS code.

You can choose to study more general courses or specialist courses. To illustrate this, here are the course options at The University of Manchester.

Biological sciences

General:

- biology
- life sciences

Specialism:

- biochemistry
- biotechnology
- cell biology
- developmental biology
- genetics
- microbiology
- plant science
- zoology

Joint honours:

- biology with science and society

Biomedical sciences

General:

- biomedical sciences
- life sciences

Specialism:

- anatomical sciences
- immunology
- medical biochemistry
- medical physiology
- molecular biology
- neuroscience
- pharmacology
- pharmacology and physiology

Joint honours:

- cognitive neuroscience and psychology

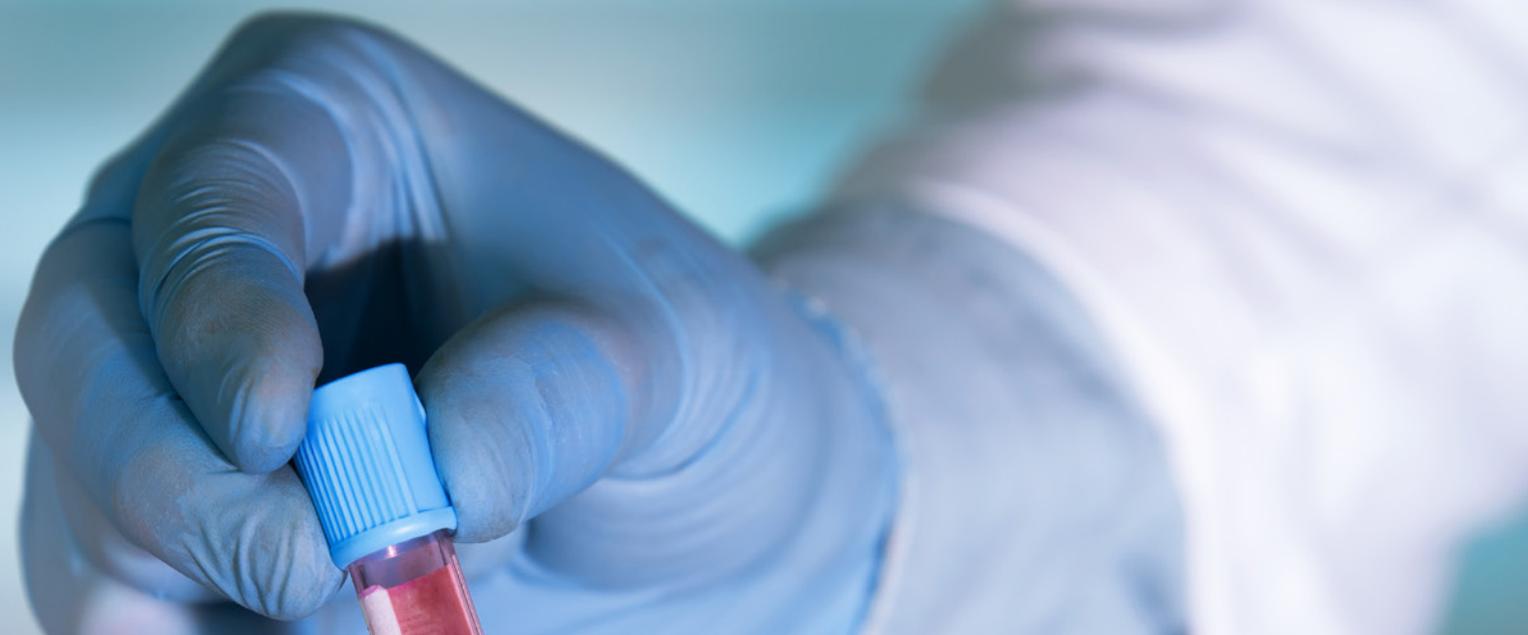
MANCHESTER TIP

The first year is common across most biosciences. You can change courses (within biosciences) at the end of the first year to focus on what you find most interesting.

Many of our courses can also be studied with a foundation year, integrated master's, a modern language, industrial/professional experience or entrepreneurship.

[uom.link/bioscience-courses](https://www.manchester.ac.uk/bioscience-courses)

BIOSCIENCES: CAREERS AND EMPLOYABILITY



Bioscience graduates can go into a diverse range of careers in laboratories and clinical and technical roles. The transferable skills you develop will also prepare you to work in careers outside the lab.

Scientific research

- Researcher in a non-profit organisation or research institution.
- Roles within a university combining research and teaching.
- Progress within a commercial organisation (eg biotechnology company).

Clinical and technical

- Healthcare (eg biomedical scientist in the NHS, clinical scientist).
- Safety or quality control for organisations (eg food companies, medical supplies, cosmetics, utilities).
- Roles within forensic science labs.

Science education, communication and policy

- Creative roles, science communication and publishing.
- Website management and content.
- Various roles in museums.
- Scientific adviser for the government or civil service.

Science administration and sales

- Science or healthcare administration.
- Clinical trials representatives.
- Patent and intellectual property attorneys.

Science in the field and conservation

- Environment related roles.
- Ecologist.
- Conservation officer.

MANCHESTER TIP

83%

15 months after graduation, 83%* of graduates find a graduate-level job or are in further education.

Our students have gone to work for:

- NHS
- BBC
- AstraZeneca
- National Trust
- Cabinet Office
- Costa Rica
- Unilever
- Sloth Sanctuary

*The Guardian University league table 2021

PSYCHOLOGY

Psychology undergraduate courses at UK universities and colleges can focus on scientific research or applied psychology.

Research-focused degrees will study perception, developmental psychology, cognition and behavioural neuroscience.

Applied courses will study neurorehabilitation, education and health.

The University of Manchester's psychology course is split into four themes:



Mind and Brain: units on cognition to understand brain mechanisms and processes underlying learning and memory.



Adaptability and Wellbeing: units exploring mental health, criminal behaviour and how we can influence choices important to wellbeing.



Evolution and Development: units focusing on how people change throughout their lifespan and how human development differs from that of other animals.



Psychology in Society: units examining society through a psychological lens, covering a range of topics in social psychology, politics, the workplace and forensic settings.

MANCHESTER TIP

Our psychology degree is accredited by the British Psychological Society



the british
psychological society
promoting excellence in psychology

PSYCHOLOGY: CAREERS AND EMPLOYABILITY

Gaining a BPS-accredited psychology degree is the first step toward a professional psychology career (eg clinical, counselling, health, forensic, organisational, educational or sports psychology).

The skills that you develop during a psychology degree are highly valued by many employers (eg data handling, critical thinking, analysis and communication).

As a result, psychology graduates have a wide range of options, including:



Marketing



Academic research



Social work



Consulting



Journalism



Counselling



Mental health
nursing



Roles in the police
and prison service

MANCHESTER TIP

You have the opportunity to enhance your employability with access to career consultants, work placements and the ability to swap psychology units for those offered by the University's College for Interdisciplinary Learning.

www.college.manchester.ac.uk

PHARMACY

Pharmacy degrees are designed to train and license students to dispense prescription medicines and become a pharmacist.

A pharmacy undergraduate degree will equip you with a wide range of technical skills and scientific knowledge.

Pharmacy undergraduate degrees are usually a mixture of practical and theoretical elements.

The University of Manchester's pharmacy course is split into five areas:



Integrated Professional Practice:

practical experience that develops skills in interacting with patients, carers and other healthcare professionals.



The Patient: focuses on human biology and physiology.



The Public: units on promoting public health, self-care advice and drug misuse awareness.



The Pharmacist: units on effective communication in healthcare, pharmacy law and using referencing sources.



The Medicine: units focusing on pharmaceutical chemistry.

MANCHESTER TIP

We have a foundation year that prepares students who do not have the right qualifications for our pharmacy degree.

PHARMACY: CAREERS AND EMPLOYABILITY



You can feel confident that you are progressing into a career in which there will always be a need for your services when you complete a pharmacy degree.

To be able to use the title of pharmacist in the UK, you will need to register with the General Pharmaceutical Council (GPhC). Membership is granted to graduates with a degree in pharmacy from a UK university who have completed a year's training at an approved establishment and passed a registration exam set by GPhC.

Pharmacy offers a variety of interesting careers with the possibility of flexible working across several sectors, including:

- community pharmacy (high street)
- hospital pharmacy
- industrial pharmacy
- clinical pharmacy
- regulatory pharmacy
- academic research.

Pharmacy graduates can also go on to work in:

- primary care
- NHS
- journalism and medical communication
- agricultural and veterinary pharmacy
- prison and army services
- forensic science.

MANCHESTER TIP

94%

Six months after graduation, 94%* of Manchester graduates find a graduate-level job or are in further education.

During their degree, Manchester students get to experience placements in different areas, including in local hospitals and in the community.

*Discover Uni

NURSING

Taking on the primary care of patients and their families, nurses are an important part of the health services. Nurses combine their medical expertise with an attentive and supporting nature to look after the physical, psychological and social needs of every patient.

You can choose one of four main specialisms to study at undergraduate level:

- adult nursing
- children nursing
- mental health nursing
- learning disability nursing (not offered at The University of Manchester).

You can expect to study units in:

- introduction to clinical care
- physiology for health
- epidemiology
- complex care
- critical care
- public health
- planning patient care.

MANCHESTER TIP

50%

The nursing degrees at The University of Manchester are 50% practical and 50% theoretical. Nursing students can also choose to do the bachelors, or the integrated master's degrees.

8th & 3rd

The University of Manchester is ranked 8th in the world and 3rd in the UK for Nursing (QS World University Rankings 2020).

NURSING: CAREERS AND EMPLOYABILITY

With a shortage of nurses in the UK, and in many other countries, a nursing degree will offer you fantastic employment options, both in public and private healthcare.

Whether in the NHS or private sector, a nursing degree will see most graduates start their careers as a nurse.

Nursing graduates can choose to progress into different careers and specialisms:

- A&E nurse
- surgical nurse
- district nurse
- paramedic
- health visitor
- management
- research
- education.

A UK-registered nursing qualification is recognised in many countries around the world and provides potential opportunities for travel and work abroad.

MANCHESTER TIP

98%

15 months after graduation, 98%* of Manchester graduates find a graduate-level job or are in further education.

During the course, students will have access to dedicated academic employability staff with professional contacts who bring students and NHS staff together.

*The Guardian league table 2021

MEDICINE

Application process:

- If you are applying to medicine you will need to submit your UCAS application form by 15 October.
- You will need to do the UCAT exam and have work experience before applying.
- Below is a timeline of the application process from a University of Manchester perspective – other universities have a similar process.

15 October
deadline

Academic sift

UCAT sift

Multiple mini
interviews

Offer

Choosing a fifth choice:

If you are applying to medicine you can only choose up to four medical/dental schools. For your fifth UCAS choice you can:

- Leave it blank.
- Choose an unrelated course (eg history, management, etc).
- Choose a related course (eg biomedical sciences, neuroscience, etc).

MANCHESTER TIP

After you submit your UCAS form, we will send you a Non-Academic Information Form that you will need to complete.

Students learn through problem-based learning, standard lectures, seminars and tutorials, hospital placements, and full-body anatomy.

MEDICINE: CAREERS AND EMPLOYABILITY

At the end of a medicine undergraduate degree, you will receive a primary medical qualification, which will entitle you to provisional registration with the General Medical Council (GMC). Provisionally registered doctors can only practise in approved Foundation Year 1 posts, for which you will need to apply during the final year of your undergraduate degree.

The GMC is currently considering the introduction of a formal assessment that UK medical graduates would need to pass to be granted registration with a licence to practise. No final decision has been taken as to whether exams will be introduced, but applicants should be aware of the potential change.

In summary, a medical graduate will go through the following stages:

Graduation

Foundation
Year 1 and Year 2

Core medical
training, 2 years

Specialist training,
2-8 years (eg GP,
neurosurgeon, etc)

MANCHESTER TIP

£31k

Six months after graduating,
Manchester students earn
an average of £31,000*

Students at The University
of Manchester have the
opportunity to intercalate
and increase their employability.

*theuniguide.co.uk

DENTISTRY



Application process:

- Students wanting to apply to dentistry will need to submit their UCAS application form by 15 October.
- They will need to do the UCAT exam and have work experience before applying
- Below is a timeline of the application process from a University of Manchester perspective – other universities have a similar process.

15 October
deadline

Academic sift

holistic
assessment

Multiple mini
interview

Offer

Choosing a fifth choice:

Students applying to dentistry can only choose up to four dental schools. For their fifth choice they can:

- Leave it blank.
- Choose an unrelated course (eg English, physics, etc).
- Choose a related course (eg Oral Health Science).

MANCHESTER TIP

After students submit their UCAS form, we will send them a Non-Academic Information Form that they will need to complete.

Students learn through enquiry-based learning, standard lectures, seminars and tutorials, hospital placement.

Our dentistry and oral health science courses are taught by the same academic staff and often share units. Students on both courses will do their placements in the dental hospital.

DENTISTRY: CAREERS AND EMPLOYABILITY

Almost invariably, dental graduates apply for one year Dental Foundation Year 1 (DFY1) training posts when they graduate. These are salaried posts in NHS general dental practices, comprising four or five days per week of clinical work and 30 days of professional study over the year.

Each DFY1 is mentored by a dental trainer in the same practice. All training practices are inspected to ensure they are of a required standard.

After graduating a student would expect to follow:



MANCHESTER TIP

99%

Six months after graduation, 99%* of Manchester graduates find a graduate-level job or are in further education.

We offer careers advice throughout the dental course, with much of this concentrated in Year 5, helping you prepare for the Foundation Dentistry selection process.

*Discover Uni

OPTOMETRY



As one of the five senses sight is hugely important. In a modern world filled with digital screens it is increasingly necessary for everyone to have access to specialist eye care and attend regular eye check-ups. As an optometrist you will be trained to examine the eye, to detect and diagnose any abnormalities and diseases, and to prescribe glasses and contact lenses.

Optometry is an ever-evolving field. As with most science-based degrees, optometry can be intense and challenging but it will also be rewarding and interesting throughout. You will learn through lectures, seminars, group work, placements, and you will be assessed through a variety of means, including practical work, presentations and exams.

You could expect to study units in:

- Physical and visual optics
- Mathematics for optometry
- Pharmacology
- Anatomy and physiology
- Anatomy of the eye
- Optometric examination

MANCHESTER TIP

1st

The University of Manchester is ranked 1st in the world for Optometry (QS world university ranking 2020).

Students will be able to gain experience at the Manchester Royal Eye Hospital – one of Europe's biggest eye teaching hospitals.

OPTOMETRY: CAREERS AND EMPLOYABILITY

Studying optometry can lead you to an exciting a varied career. You will get to put your knowledge into practice with diverse placement opportunities and will learn about the issues that can affect eyesight. This may lead you on to further studies, with options to specialise and gain further qualifications in areas such as glaucoma, independent prescribing, low vision or research.

Optometrists are now also involved in the primary care of patients with diseases such as diabetes and glaucoma. This has given rise to more emphasis on the study and management of these conditions

MANCHESTER TIP

Students will have the unique opportunity to complete an integrated master's where successful students do not need to undertake the pre-registration year, leading to direct registration with the General Optical Council.

HEALTHCARE COURSES

There are many more options if you are interested in a career in healthcare. For most clinical careers entry is through a degree approved by a regulatory body. Most of these degrees will be vocational and, as a result, will be a mixture of theory and practice.

UK universities offer a wide range of options for students, including:

- dietetics (nutrition)
- healthcare sciences (audiology)
- midwifery
- occupational therapy
- optometry
- osteopathy
- paramedic science
- physiotherapy
- podiatry
- prosthetics and orthotics
- speech and language therapy

However, the healthcare sector employs many non-clinical staff who have different academic backgrounds.

MANCHESTER TIP

Manchester's healthcare courses are all accredited by the relevant governing body and offer you a mixture of practical and theoretical studies. They include:

- audiology
- midwifery
- optometry
- oral health science
- speech and language therapy.

ENHANCE YOUR LEARNING

A lot of undergraduate courses offer additional opportunities to enhance your learning including:

- a year in industry
- studying a language
- studying abroad
- studying units outside the main course discipline.

Other opportunities may exist outside of the course, including:

- studying a language
- summer internships.

You should consider all the options offered by universities when you are choosing where to study.

MANCHESTER TIP

The Stellify award recognises students who have completed all Stellify action points. Students will take part in ethical challenges, leadership activities and social, educational, health, environmental and cultural volunteering programmes.

Do more, be more

STELLIFY