



The  
Manchester  
College®  
be amazing

# Science



# Contents

It starts with you	3
Careers information	4
What our students say	6
Meet the team	8
Our location	10
Get career ready with us	12
T Levels	14
Courses	19
Supported learning	20
Accelerate2industry	22
UCEN Manchester higher education	24
How to apply	26
What's next?	27



# It starts with you

**Do you have a sharp, analytical mind and a passion for science? Are you looking for a rewarding job where you can make a real difference in the world? Whether you want to save lives, fight climate change, get involved in green and environmental science or make ground-breaking discoveries, a science qualification is your first step.**

You'll find scientists in almost every industry across the globe, so taking a science course can open the door to a huge variety of careers, from forensic scientist and biochemist to paramedic, midwife and pharmacist.

And those opportunities are only expected to grow, as jobs in the scientific and technical industries are set to increase astronomically over the next few years.

If you have the passion to make a difference, we can help you gain the skills you'll use throughout your career.

You can gain those skills through our science qualifications which include BTEC Level 1, 2 or 3 in Applied Science, a T Level in Laboratory Sciences, or, if you don't quite have the qualifications required for a T Level, you can develop your knowledge on our Level 2 T Level Foundation Year in Science and progress onto our T Level programme the following year.

Whichever route you choose, you'll be mastering those skills in well-equipped laboratories, led by tutors who are experts in their fields. And you won't always be taught on campus, as you'll get to enjoy field trips, attend industry lectures and gain experience out in workplaces.

**So, what are you waiting for?**







# Careers information



## JOB FIGURES

There were approx. **41,133** employees working in the Science sector in Greater Manchester in 2021, this is predicted to increase by **4.8%** by 2025.



## AVERAGE EARNINGS

The average wage in GM is **£28,181 per annum** (2021).



## REPLACEMENT DEMAND

**22.1%** of the current workforce will be reaching retirement age in the next 10 years, meaning those positions will need filling.



## WORKFORCE SPLIT

Currently **69%** of the workforce are female.

Types of jobs available	Skills needed	Examples of GM employers
Biomedical Scientist	Attention to detail	Agilent Technologies
Chemical Scientist	Communication	AstraZeneca
Dental Hygienist	Creativity	GSK
Dentist	Digital	Johnson & Johnson
General Practitioner (GP)	Entrepreneurship	Lighthouse Labs Network
Lab Technician	Innovation	NHS
Natural & Social Science Professional	Marketing	Qiagen
Paediatrician	Project management	Thermo Fisher Scientific
Pathologist	Research	University of Manchester
Physician Associate	Resilience	Waters

Data sourced from Lightcast March 2023.

**FIND OUT  
MORE HERE**







## What our students say

I was attracted to The Manchester College after doing some research, I found that they offered the perfect course for me. When I was doing my research there were great student reviews and recommendations. The tutors helped me with my studies massively by always keeping in touch with me and helping me with my assignments. After I finish my studies with the College my goal is to go to university and study biomedical science.

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Hamza Rahman  
T Level Science (Laboratory Sciences)

Science has always been a big part of my life, especially medicine so I decided I wanted to be an occupational therapist. The Manchester College is helping me to gain my Level 2 Science so I can progress into a Level 3 course and then hopefully onto university. I feel supported in the science department as the teachers offer a lot of support and guidance through our assignments. Everyone in the science department is really friendly and it makes it easy to fit in here.

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Moss Gaughan  
T Level Foundation Year Science



# Meet the team

When you join The Manchester College as a Science student, you'll be learning from tutors with a wealth of experience in their fields.

You'll be able to discuss scientific principles with them, debate complex theories and learn about some of the recent advancements shaking up the science community.



**Julian Smith**  
**Assistant Principal**

Julian oversees our Animal Management, Education and Early Years, Health and Social Care, Public Services, Science, Sport, Public Services courses.

With 17 years of experience in further and higher education institutions, including 15 years in managerial and senior leadership roles, Julian brings a wealth of expertise to the position.



**Sally Cooper**  
**Head of Department**

Sally joined the College in 2015 teaching in the Health and Social Care department and has more than 20 years' industry experience within hospitals and the community working with palliative care patients. Sally brings her experience into the classroom environment to add context to lessons. Sally has been one of the department Team Leaders since 2017 within the Health and Social Care department and is now embracing a new role in the Science department.



**Nigel Paton**  
**Science Technician**

Nigel first joined the College in 1984 after working as a science technician in secondary schools around Stockport. He started working as the Physics Technician, before gaining his HNC in Science with Laboratory Management, providing full technical support for students across chemistry, biology and physics. Nigel has over 41 years' extensive experience as a science technician in education, 39 years of which, he has spent working at The Manchester College.



**Jabinda Silva Lobo**  
**T Level Course Leader**

Jabinda joined the Applied Science department in 2023 with over 7 years' of industry experience. She has taught at the University of Mumbai and has expertise in medical microbiology and immunology. As a T Level Lead in Science, her goal is to provide the best experience to students, empowering them to carve their own identities and achieve remarkable success.



**Nusrat Ahmed**  
**Tutor**

Nusrat previously worked in a pharmacy dispensing and endorsing prescriptions as well as offering healthcare advice to customers. Nusrat's previous research work includes carrying out an independent investigation into the effect of the drug Mebeverine. The aim of the study was to discover the mechanism of action for the antispasmodic effect of the drug. Nusrat has taught both A Level Biology and Applied Sciences. Her primary interest is biology and she particularly enjoys teaching students about genetic engineering and human physiology.

**Scan here**  
to read more  
about our tutors





# Our location

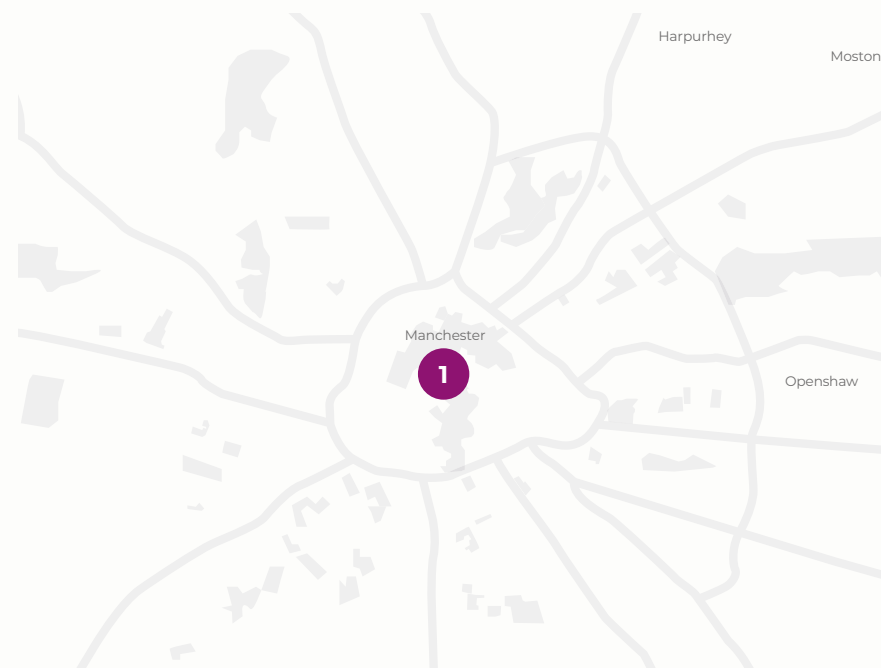
The labs at our City Campus Manchester are a world away from the ones you'll have studied in at school.

Each one is dedicated to its own scientific area – biology, chemistry or physics - and together they have all the high-tech equipment you'll need to experiment, test theories and perfect your skills.

In September 2025 we will open brand new facilities for your course in a new four-storey building next door to City Campus Manchester.

The extended City Campus Manchester will include:

- state-of-the art science labs including three wet and one dry laboratory, fully equipped with everything you'd expect to see when you enter the world of work
- a Click Studio and repair lab run by students as part of their curriculum where you will be able to have your equipment repaired
- a roof terrace for socialising with friends
- an extended library
- plus IT suites and classrooms.



**1 City Campus Manchester**  
60 Great Ducie Street,  
Manchester,  
M3 1PT



# Get career ready with us

**We passionately believe in helping you reach your ultimate goal, focusing on your future employability and developing the knowledge, skills and behaviours you will need to have a successful career.**

Many of our programmes of study have been co-developed with industry partners. Working so closely with industry partners means you'll benefit from courses that are aligned with current industry skills and demands as well as a range of industry-level activities and lessons.

Once you complete your journey with us you will have the qualifications you need to take the next steps towards an amazing career, as well as the knowledge, skills and behaviours that will help you stand out to future employers.

## Study Programmes

We offer qualifications from Level 1 to Level 3, including T Levels.

If you haven't already obtained a Grade 4 GCSE in English or maths, you'll study to work towards achieving this qualification. This is a mandatory requirement and it's also essential you achieve this for many careers.

## Employability

To prepare you for your future career, you'll take part in a range of 'employability' activities to equip you with the knowledge and experience of the careers available to you.

You'll be assigned an Employability Co-ordinator and will take part in a wide range of activities that will help you develop the knowledge, skills and behaviours you'll need to thrive in the workplace.

## Industry Expertise

You will get the opportunity to take part in masterclasses and lessons delivered by industry experts, visits from guest speakers within the sector and industry-standard projects, that will see you working on the kind of tasks you'd be completing once you begin your career in the science sector.

## Work Experience or Industry Placement

As part of your course you are required to take on external work experience. We will help you find a suitable placement. While there, you'll help with day-to-day tasks and shadow staff to develop the knowledge, skills and behaviours that are expected in the workplace and broaden your knowledge of the industry.

Previous students have worked with:

- Everest Pharmacy and Clinic
- Mairec Lab
- Manchester Institute of Biotechnology – The University of Manchester
- Museum of Science and Industry
- NHS Blood Donation.

You may be able to apply for an industry placement offering a longer period of experience with a leading employer, depending on your course.

An industry placement gives you in-depth knowledge of the industry, allows you to gain hands-on experience and gives you an insight into career pathways.

With a placement, you're taking that all important first step onto the ladder; many of our students even go on to gain paid employment with their industry placement employer at the end of the year.

## Work Related Activity

There are so many careers in the science sector and we want to help you explore as many as possible during your studies.

We organise lots of work-related activities to help you discover more about the opportunities that might be open to you. You could soon be taking part in activities such as:

- Visits from professionals working in a variety of scientific roles in industries such as healthcare at the NHS and pharmaceuticals
- Trips to Jodrell Bank, Museum of Science and Industry and other activities with the University of Manchester
- Careers events and activities, such as the STEM Careers programme with GM Higher, enabling you to explore future routes into the industry, including university degree career paths and degree apprenticeship routes.



## Study for a Technical Level (T Level) qualification in Science

**T Levels are a new two year technical programme that provide you with a high-quality alternative to A Levels.**

They have been developed in collaboration with employers and combine theory, practical and classroom learning with a minimum 45 day industry placement. If you opt to take a T Level you will spend 20% of your time on an industry placement and 80% in the classroom.

After completing the course you can progress directly into work, on to a Higher Apprenticeship or even go on to study a university degree, as T Levels are awarded UCAS points.



## T Award

Those successful in gaining a place on a T Level will be eligible for the 'T Award', a package of benefits that includes

- £300 per year bursary\*
- Access to industry standard laptop\* (as appropriate)
- Opportunity to take part in exciting college-wide competitions
- Minimum 20% delivery by industry experts
- Minimum 45-day industry placement
- Free branded work wear
- Masterclasses
- Digital upskilling
- Bursary incentive if progressing to UCEN Manchester
- Guaranteed progression to a higher education course at UCEN Manchester
- Use of industry based software
- And much more.

*\*Subject to requirements including 95% attendance, positive attitude and grade profile.*





# Courses

**Level 3 | T Level | Science (Laboratory Sciences)**  
**In partnership with The University of Manchester**  
**City Campus Manchester | Two Years**

If you want to follow a career in clinical and research roles then our two-year T Level in Science (Laboratory Sciences) is for you.

During this qualification you'll start by developing an understanding of working within the health and science sector. You'll learn about the principles of good scientific and clinical practice as well as core science concepts including the structure of cells, tissues and large molecules, genetics, microbiology and immunology.

You'll go on to develop your knowledge of topics within biology, chemistry and physics such as cell cycle and cellular respiration, enzyme and protein structure, kinetic changes and much more.

You'll then have the opportunity to put everything you have learnt into practice during your industry placement ahead of your future career in science.

**For those who don't meet the entry requirements and would still like to pursue a T Level there is the option of a one-year Level 2 T Level Foundation Year.**

**Level 2 | T Level Foundation Year | Science**  
**City Campus Manchester | One Year**

This Foundation Year will allow you to gain a qualification and move on to study one of our T Levels the following year.

In the classroom you'll further your knowledge of each core science (biology, chemistry and physics) in preparation for transitioning onto the T Level. Meanwhile, in our labs and on your industry placement, you'll experience what it's like working in the science sector before progressing onto our T Level.

# Jump Start to T Levels

Both our T Level and T Level Foundation Year require you to complete our Jump Start to T Levels programme as an entry requirement.

This programme is a two-week introduction to our T Level and Foundation Year programmes, where you can meet your tutors and experience what studying a T Level at The Manchester College is like.

To apply or find out more about our T Levels and T Level Foundation Year programmes, visit our Industry Excellence Academy website:

[industry-excellence.tmc.ac.uk/t-levels](https://industry-excellence.tmc.ac.uk/t-levels)







# Courses

At The Manchester College, our science courses give you a solid grounding in scientific foundations and include plenty of practical lab work, so they'll help you to kick-start your journey towards a career in any one of a number of fascinating industries.

## Level 1 | Applied Science

### City Campus Manchester | One Year

On this course you will learn about scientific principles and how to put them into practice in the workplace. You will develop a range of transferable skills including communication, problem solving, managing information and working with others.

You will cover science topics such as investigating crime scene evidence, measuring waves used in technology and investigating variations in plants and animals.

## Level 2 | Applied Science

### City Campus Manchester | One Year

On our Level 2 Applied Science course, you'll be exploring a wide range of scientific theories in areas such as medicine, forensic science, industry and process sectors.

You'll learn all about scientific principles and spend plenty of time in the lab putting those principles into practice. You'll develop the vital analytical skills you'll need if you're to succeed both here at the College and throughout your career.



# SUPPORTED LEARNING

Promoting independence  
through accessibility and  
inclusion

Have you received learning support in the past? Do you have an Education, Health and Care Plan or an identified Special Educational Needs or Disabilities (SEND) need? Our Supported Learning team can help students with SEND to achieve their aspirational career goals.

We provide a highly personalised offer for students to create a supportive learning environment for all. Whatever course you choose to study, our provision is specifically designed to support you on your journey to independence and into further education or employment.

Find out more about how we can help you:  
[tmc.ac.uk/supported-learning](https://tmc.ac.uk/supported-learning)





# We'll help you Accelerate2industry

As soon as you enrol on a Science course, we'll start talking to you about the opportunities that could be open to you in the future. To guide you through the process and help you achieve your aspirational career goals, we've teamed up with our higher education partner, UCEN Manchester, on an exciting initiative.



Ultimately, the aim of Accelerate2Industry is to help you progress into either higher study, higher education with UCEN Manchester, or your chosen career.

The initiative runs throughout the academic year and there are three distinct phases:

## Step 1 - Plan >>>

Find out about the options available to you at the end of your study programme.

## Step 2 - Pass >>>

Your tutors will speak to you about what you're planning on doing next year and support you to secure the grades you need to move on to the next phase of your journey.

## Step 3 - Progress >>>

Your tutors will ensure that you have all of the information and support you need to re-join us in September or progress on to university, employment or an apprenticeship.

## Progressors Award >>>

Do you want to study with a higher education provider that offers something a little bit different and delivers courses that are career focussed and lead you straight into employment? If so, our Progressors Award is just for you.

The award is open to all Level 3 students at The Manchester College that, upon completion of their course, enrol onto a higher education course at UCEN Manchester. The Progressors Award is currently £200. Please check the amount, eligibility, and terms and conditions ahead of making your progressors application to UCEN Manchester during your final year of Level 3 study.

Book a campus tour, taster session or other support session with the UCEN Manchester Outreach Team by contacting [HEfutures@ucenmanchester.ac.uk](mailto:HEfutures@ucenmanchester.ac.uk).

Scan for more information, advice and guidance.





## DEGREE LEVEL

You can continue to learn in our state-of-the-art facilities for science as you take your next steps into the science sector with a degree. You'll benefit from smaller, highly practical classes and award winning support

### Access to Higher Education

These are one year courses that are ideal if you need to top up your existing qualifications.

- **Combined & Medical Science**
- **Social Science**

### Foundation Degree

This is a two year course, that allows you to progress onto a one-year (Top-up) degree to obtain an Honours degree.

- **Sport and Exercise Science**

### BSc Top Up

A one year course for Level 5 qualified students to gain an Honours degree.

- **Applied Sport and Exercise Science**

For more information or to apply  
visit [ucenmanchester.ac.uk](https://ucenmanchester.ac.uk)



I've really enjoyed the broadness of the curriculum and practical elements in the new facilities. My tutors are experienced, knowledgeable and stay on top of the latest developments in industry. They've also been there to offer support when I've needed it and I've always felt like there is a genuine willingness to understand my personal circumstances and individual needs as a learner.

*Teri Devlin,  
Former Sport, Health and Wellbeing  
student*





# How to apply

Applying to study at The Manchester College is really easy. Just follow these steps and you will be on your journey to amazing in no time.



## Step 1

Visit **tmc.ac.uk**



## Step 2

Choose a course, apply at an open event, online or mobile



## Step 3

Receive a conditional offer - you must accept this within 12 weeks



## Step 4

Book to attend an interview



## Step 5

Register to attend our New Student Welcome Day on 30 June (16-18 only)



## Step 6

We will invite you to enrol in August or September after you receive your results (if applicable)

# What's next?

## Find out more and apply

To find out more about Science at The Manchester College and to apply scan the QR code or visit: **tmc.ac.uk/science**



## Visit us

Join us at one of our open events throughout the year to learn more about our courses, tour our facilities, speak to our tutors and much more. To find out when our next open event is taking place and to register your place visit: **tmc.ac.uk/events**

## Stay in touch

Follow us on our social media channels:

 **The Manchester College**

 **@TheMcrCollege**

 **@TheMcrCollege**

 **@themcrcollege**

## Contact Us

Got a question about one of our courses, about The Manchester College or just need to get in touch? Contact us:

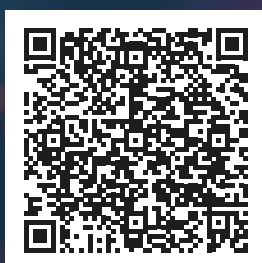
 **enquiries@tmc.ac.uk**

 **03333 222 444**





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*The Manchester College is committed to equality of opportunity, non-discriminatory practices and supporting individual learners. This information is also available in a range of formats, such as large print, on request.*