The Manchester College
be amazing

COMPUTING
AND DIGITAL

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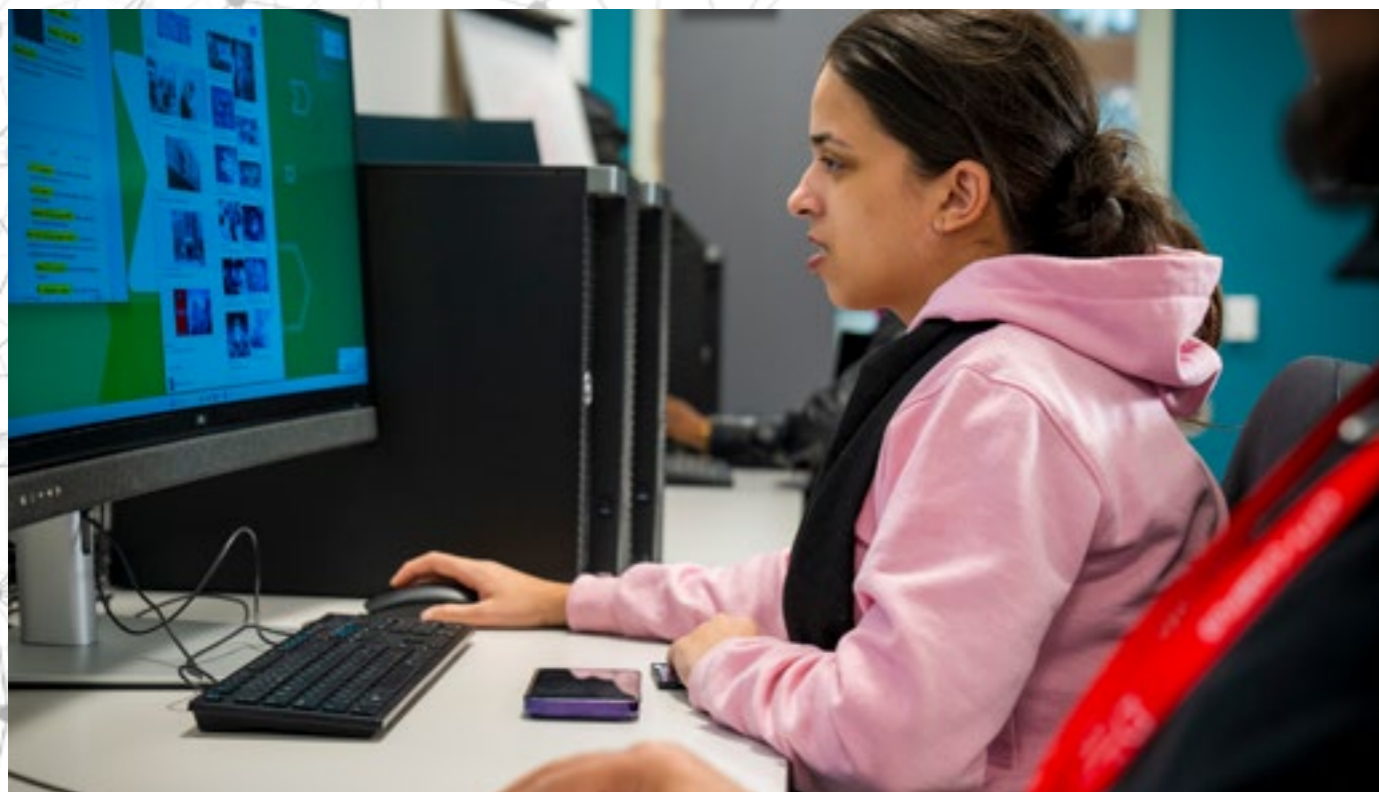
It starts with you

In the digital age technology is advancing at a rapid pace. Could you play a role in driving it forward?

Whether you want to develop software solutions, use AI to help fight diseases or protect people's finances with cyber security, you could make a real difference to businesses and communities both in the UK and across the globe.

It's no surprise that the IT job market is booming. There could be up to 22,000 computing and digital jobs in Manchester alone so, if you want to stay ahead of the curve and land a well-paid job, you'll need industry-recognised qualifications.

And that's where we come in. As you progress through your chosen course, you'll discover just how many doors a computing and digital qualification can open for you. The opportunities are almost limitless, and include jobs in programming, software engineering, IT training, project management and cyber security.

A career in this fast-paced industry calls for creative thinking, technical flair and a willingness to keep up with new developments. You'll also need to be prepared to persevere in order to find solutions to complex problems and be able to work on your own or as part of a team.

Our courses are designed to equip you with all of these qualities, as well as the crucial, industry-relevant tech skills you'll be using out in the workplace. You'll explore the latest advancements in technology, as well as the essential tools that you'll need to include on your CV.

Depending on the course you choose, you could learn how to use multiple IT operating systems, networks and server set-ups, or develop your programming and designing skills.

Many of our courses are co-developed and co-delivered with leading local employers, so you'll be working on live briefs and receiving feedback from experts in their field.

In short, we can help you to not only achieve your goals, but to truly thrive in this vibrant sector.

So, what are you waiting for?

JOB FIGURES

There were approx. **31,993** employees working in the Computing and Digital sector in Greater Manchester in 2021, this is predicted to increase by 7.2% by 2025.

AVERAGE EARNINGS

Average wage in Greater Manchester is **£40,104** per annum (2021).

REPLACEMENT DEMAND

10.1% of the current workforce will be reaching retirement age in the next 10 years, meaning those positions will need filling.

WORKFORCE SPLIT

Currently **76.6%** of the workforce are male.

Types of jobs available	Skills needed	Examples of GM employers
Cloud Engineer	Attention to detail	AJ Bell
Cyber Security Engineer	Communication	Autotrader PLC
Data Analyst	Customer service	CDL
IT Project Manager	Innovation	Cisco
IT Security Engineer/Analyst	Management	GCHQ
IT Support Technician	Problem solving	Google
Network Engineer	Programming	Home Office
Software Developer	Sales	IBM
Systems Analyst	Self-motivated	Microsoft
Web Developer	Teamwork	Talk Talk Telecom Group Ltd

Data sourced from Lightcast March 2023.

Careers information

FIND OUT MORE HERE

What our students say

I wanted to study a T Level because it offers more work experience and you have more opportunities to meet employers. I like the fact that you get to experience the work life and see how everything works.

We use software like Excel and Packet Tracer, we do presentations as well to help improve our communication skills. I've learned how to make a small functioning network and how to create an ethernet cable.

I'm currently doing IT support with the NHS at Wythenshawe, I answer calls and I do tickets like password resets, sometimes I can help and other times we have to escalate calls to the next level.

The best thing about the facilities in college is that you're actually using the equipment you'll use after college so when you get to work life you already know what you are going to do – and the tutors are really nice, the class is fun!

Daniella Ajibua
T Level in Digital Support Services

> "
>
> I wanted to study a T Level because it has more practical elements to it, whereas A Levels are quite exam-based.
>
> One thing I enjoy about the course is the work placement, I found it very helpful. It's given me a lot of experience and knowledge, it's been quite nice to meet new people as well.
>
> I'm doing my work placement at a company called Voktis Group. I do a lot of cyber security, I help out with hardware, removing hard drives, I've also put Windows 10 on some PCs - it's quite a spread of different things.
>
> In class we've done a lot of networking and cyber security and some data science. The tutors are very kind and helpful, if you ever have any problems you can always go to them, even if it's not work related.
>
> My advice to anyone looking to study at The Manchester College would be to be prepared and always put your all into everything and you'll do well.

Elena Radu Buller
T Level in Digital Support Services

Meet the team

The tech landscape is advancing at a rapid pace. It's essential that you learn from tutors who are prepared to put in the extra work needed to keep up to date with new developments. And that's exactly who you'll find here at The Manchester College.

Jill Riley
Assistant Principal

Jill has worked in further education for over 30 years and is passionate about enabling students to be the best they can be and so that they can progress into exciting and fulfilling careers.

Peter Green
Head of Department - Adult

Before joining the College, Peter spent a significant number of years working within the retail sector.

He held management positions at high street brands such as Homebase and Sainsbury's, focusing on visual merchandising and other key areas.

Peter has been at the College since 2003 and taught on various business courses, specialising in marketing.

Sarah O'Connell
Head of Department - 16-18

Sarah has worked at The Manchester College for over 15 years teaching Level 1, 2 and 3 Computing and Digital courses. She also has experience of teaching English and maths.

Sarah has industry experience in dealing with hardware and software and has been involved with the rollout of new IT systems for companies and universities.

Andrew Jepson
Tutor and T Level Lead for Digital Production, Design and Development

Andrew is a specialist in software development and has in-depth knowledge of various programming languages.

He teaches several units within our employer-partnered programmes, helping students to develop their technical computing skills and apply them within the workplace.

Rebecca Rand
Tutor and T Level Lead for T Level Foundation Year

Rebecca helps learners to gain valuable industry skills in coding, programming concepts, computer game development, project management and social media.

She worked in the digital industry for 10 years and has played a key role in developing our IT curriculum to reflect the changing needs of both students and employers.

Aisha Zikria
Tutor

Aisha has taught Computing and IT for over seven years, leading and developing the curriculum in various units including Python programming, practical computing and computational thinking.

She specialises in software development and is AWS certified and is a qualified Cloud Practitioner. She is also working towards her AWS Solutions Architect Certificate.

She inspires all her students to reach their full potential and to foster a lifelong interest in computing and IT.

Scan here
to read more
about our tutors

Our locations

When you study Computing and Digital you'll benefit from industry standard facilities that have been specifically developed for your studies at City Campus Manchester.

These amazing facilities mirror those used in the world of work and include:

- Cutting edge IT suites
- Maintenance labs fully equipped with the latest high spec kit
- A 'Click Studio' where you will collaborate with employers and complete real live briefs for charities, as well as a computer repair service run by students.

These fantastic new facilities will provide you with access to everything you will see once you enter the workforce, giving you the perfect setting to help prepare you for a future career.

In addition to our provision at City Campus Manchester you can also enrol on an Entry Level or Level 1 course at our Wythenshawe Campus, or a Level 1 course at our Harpurhey Campus, which are both well served by public transport. So, wherever you live, you're not far from starting your journey towards a career in the computing and digital sector.

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

2 Harpurhey Campus
Rochdale Road, Harpurhey, Manchester, M9 4AF

3 Wythenshawe Campus
Brownley Rd, Wythenshawe, Manchester, M22 9UH

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 Entry Level 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 computing and digital industry.

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:

- AJAR Technology

- Lloyds Banking Group

- NHS

- Pie Analysis

- Voktis.

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 computing and digital 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 and Q&As with experts in computing and digital

- Masterclasses from leading employers

- Trips to key employers and workplaces to learn about what it's like working in the industry.

T-LEVELS
THE NEXT LEVEL QUALIFICATION

Study for a Technical Level (T Level) qualification in Digital

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 move on to study a university degree, as T Levels are awarded UCAS points.

T Award

Those successful in gaining a place on the T Levels Programme 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 | Digital Business Services
City Campus Manchester | Two Years

If you want to work in IT or digital sectors as a data analyst, or within IT solutions, then this is the T Level for you!

Developed and delivered in partnership with industry experts, you'll develop a broad knowledge of the digital sector during your time in the classroom, learning all about how digital technologies impact business and market environments as well as the ethical and moral implications of digital technology, and much more.

You'll develop your skills using data in software design and find out how to use digital technologies to analyse and solve problems, before putting what you've learnt into practice during your industry placement.

The qualification will help you understand how to plan digital projects and use digital tools for project management and collaboration ahead of a career in the industry.

Level 3 | T Level | Digital Production, Design and Development
City Campus Manchester | Two Years

This T Level has been developed in partnership with industry partners for anyone with an interest in a career as a web developer, web designer, IT business analyst, software developer or digital marketer.

During the two years, you'll develop your core knowledge of all things digital including the technical, physical and human aspects of internet security and how to design, implement and test software. You'll also learn how to use digital technologies to analyse and solve problems, and much more.

Once you've done that, you'll go on to learn all about emerging technical trends such as Internet of Things (IoT), Artificial Intelligence (AI), Augmented Reality (AR), Blockchain and 3D printing, as you start your journey in software production and design.

Level 3 | T Level | Digital Support Services
City Campus Manchester | Two Years

Want to develop a career in digital infrastructure and digital support? Then our T Level in Digital Support Services is for you!

You'll develop a broad knowledge of the digital sector, learning all about the ethical and moral implications of digital technology and how to use digital technologies to analyse and solve problems. You'll also learn all about the wide range of roles within the digital support services sector, communication in digital support services, fault analysis, problem resolution and much more.

Once you've developed your core knowledge, you'll have the option to choose a specialism in either digital infrastructure, network cabling, unified communications or digital support.

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 | Cyber Skills for the Digital Age
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. A fantastic introduction to a digital career, this qualification will allow you to learn both coding and network development in real-life scenarios, from hardware programming to network design.

You'll learn how to create programs in Python and C#, and discover how HTML, CSS, Javascript and VB.NET work to create websites, as well as start to understand network design and development. And if that's not enough, you'll be able to progress on to a Digital T Level the following year.

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 website: **tmc.ac.uk/t-levels**.
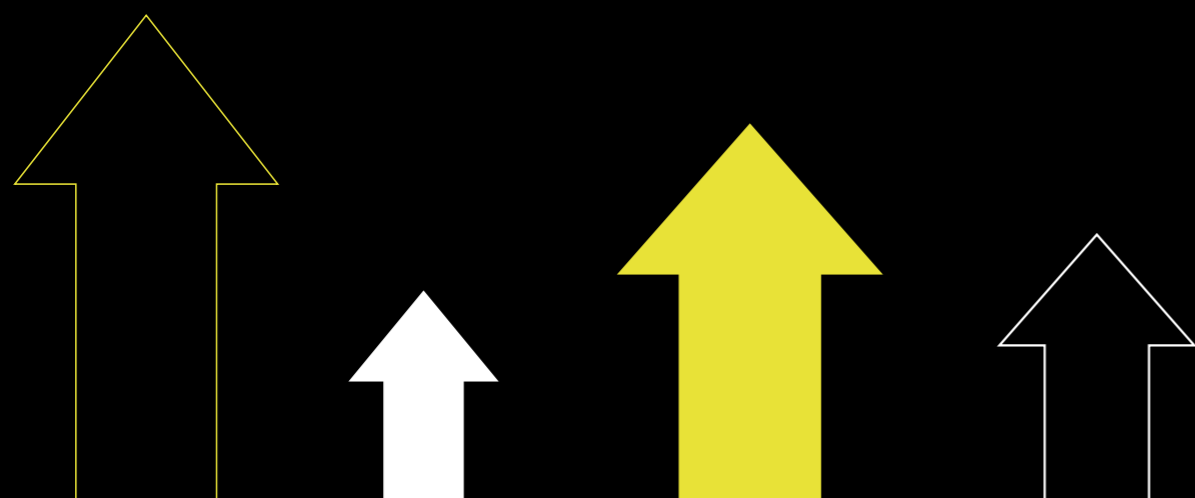
Courses

Whether you want to be a software developer or a white hat hacker, our Computing and Digital courses are designed to help you kick-start your journey to a career in this exciting industry.

Level 1 | Introduction to Computing and Digital
Harpurhey / Wythenshawe | One Year

Working with industry-standard tools and software, this course will help you develop the all-round technological skills required to move onto further study of computing and digital.

You'll explore a variety of transferable and sector specific skills such as organisational skills, research, progression plans and teamwork as well as studying computing and digital industry based projects.

Level 2 | Computer Science and Digital Technologies
City Campus Manchester / Harpurhey | One Year

Through dynamic teaching and using industry related scenarios, you'll enjoy a fantastic introduction into games and app design and development using the latest technologies and platforms.

You'll develop software for desktop computers utilising Microsoft Visual Studio with visual basic .NET and will further develop software for mobile devices with a focus on the Windows platform. As part of your digital portfolio, you'll construct a website using HTML5 and CSS3 which you'll showcase at the end of the course.

You'll also investigate current developments within technology systems and learn networking skills as well as produce a functional relational database project using SQL.

Level 3 | Computer Science and Digital Development
City Campus Manchester | Two Years

Our Level 3 Computer Science and Digital Development course is co-developed with industry partners.

You'll gain hands-on experience with specialists, building skills in web development, project management, and programming. Live briefs and projects mirror real industry work, preparing you for your future career.

Key topics include computer science principles, fundamental computer systems, project management in computing, software development, IT security, the impact of computing, and the business applications of social media. This course equips you with the expertise needed for the computing and digital sector.

Courses for Adults

If you're over 19, we offer a wide range of courses in areas such as coding, programming and digital skills starting throughout the year. These can help you to upskill and strengthen your CV, whether you want to start a new career or progress in your current role.

At The Manchester College we believe that finances shouldn't be a barrier to your success, so if you have any questions about course fees, finance or funding then please contact careers&welfare@tmc.ac.uk or you can find out more about the support available by listening to our podcasts on funding at **tmc.ac.uk/podcast** or by visiting **tmc.ac.uk/study-with-us/fees-finance-funding/19**

Additionally, we are also now offering a range of Level 3 programming and coding courses most of which are fully funded* by the government if you haven't completed a Level 3 course before.

Essential Digital Skills | Entry Level 3 & Level 1

Digital and IT Skills | Level 2

IT Technical Support | Level 2

Coding Practices | Level 3

Computing Principles | Level 3

Cyber Security Practices | Level 3

If you're looking to develop specific technical computing skills then we also offer a range of other self-funded short courses such as:

Cisco CCNA1 - Introduction to Networks

Cisco CCNA2 - Switching, Routing and Wireless Connections

Cisco CCNA3 - Enterprise, Security and Automation

Cisco CyberOps Associate

Cisco DevNet Associate

Cisco Network Security

JavaScript for Beginners

Programming Essentials in Python

Programming with C#

Python for Beginners

HTML and CSS for Beginners

For more information or to apply visit
tmc.ac.uk/computing

Eligibility dependent on individual circumstances, speak to our Student Careers team for more information.
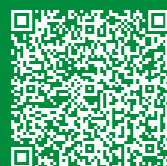
SUPPORTED LEARNING

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

The Manchester College®
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tmc.ac.uk/supported-learning

![A2i PLAN, PASS, PROGRESS — ACCELERATE2INDUSTRY logo]

We'll help you Accelerate2industry

As soon as you enrol on a Computing and Digital 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.

Scan for more information, advice and guidance.

DEGREE LEVEL

Once you've completed one of our Level 3 Diplomas, you'll have the opportunity to progress onto our degree level qualifications through our higher education partner – UCEN Manchester.

FdSc Degree / HND

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

HND Computing for England - 2 years

Digital Technologies for England (AI) Artificial Intelligence Solutions - 2 years

Computer Networking, Automation and Management - 2 years

Software Development - 2 years

Cyber Security (Defensive Threat Protection) - 2 years Top-Up

This is a 1 year course for qualified Level 5 students to gain an honours degree.

Cyber Security (Defensive Threat Detection) - 1 year

Computer Networking Automation and Management - 1 year

Software Development - 1 year

" I like the way they let you learn for yourself. The atmosphere is brilliant, practical and you do your research, rather than a more academic style of learning. The teachers are really good at their job, you learn directly from them about workplaces and their experiences. I would recommend UCEN Manchester.

Alex Blakeley,
Computing Student "

For more information or to apply
visit ucenmanchester.ac.uk

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 Computing and Digital at The Manchester College and to apply scan the QR code or visit: **tmc.ac.uk/computing**

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

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 @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

The Manchester College

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