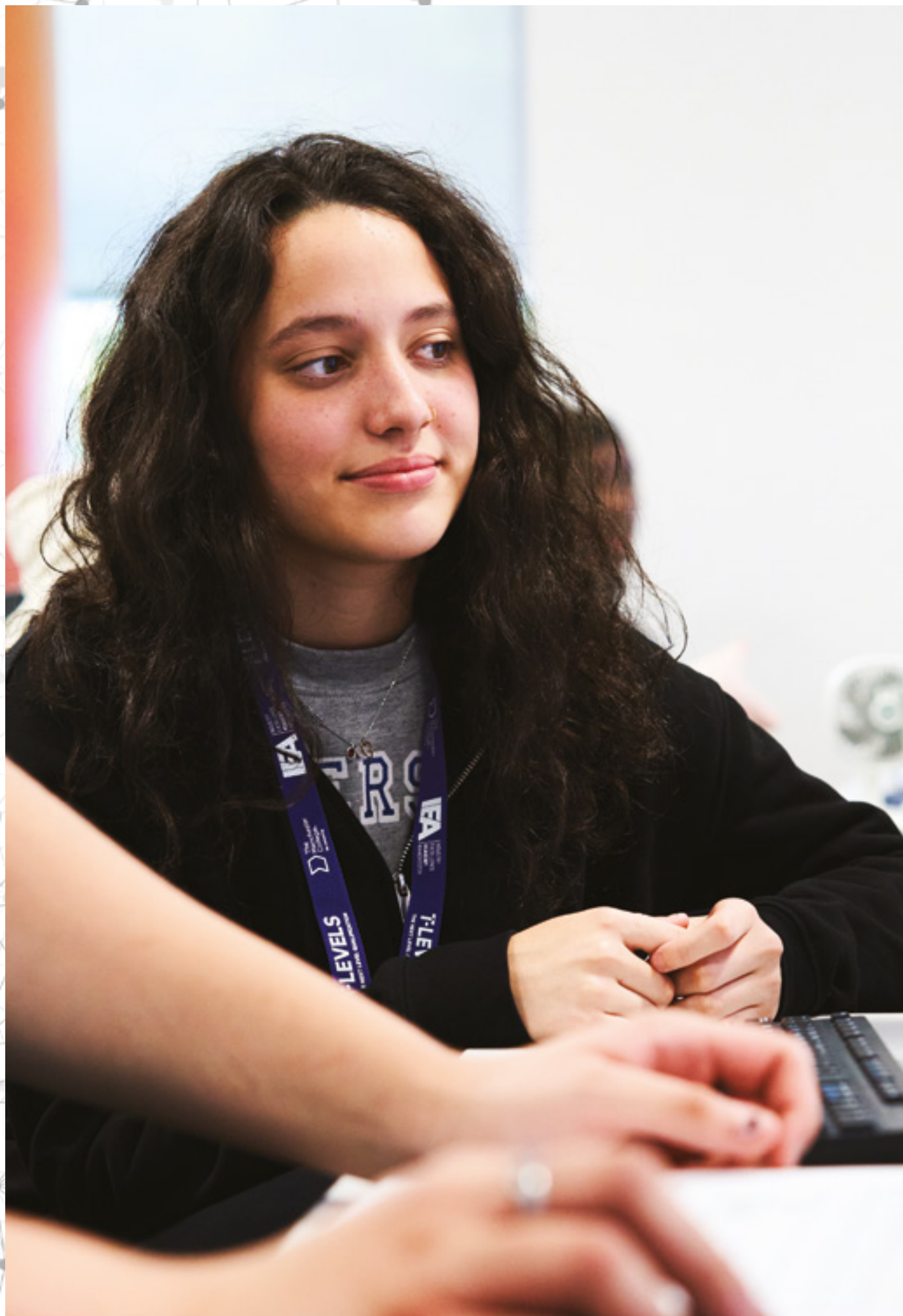# The Manchester College®

be amazing

COMPUTING
AND DIGITAL

About us

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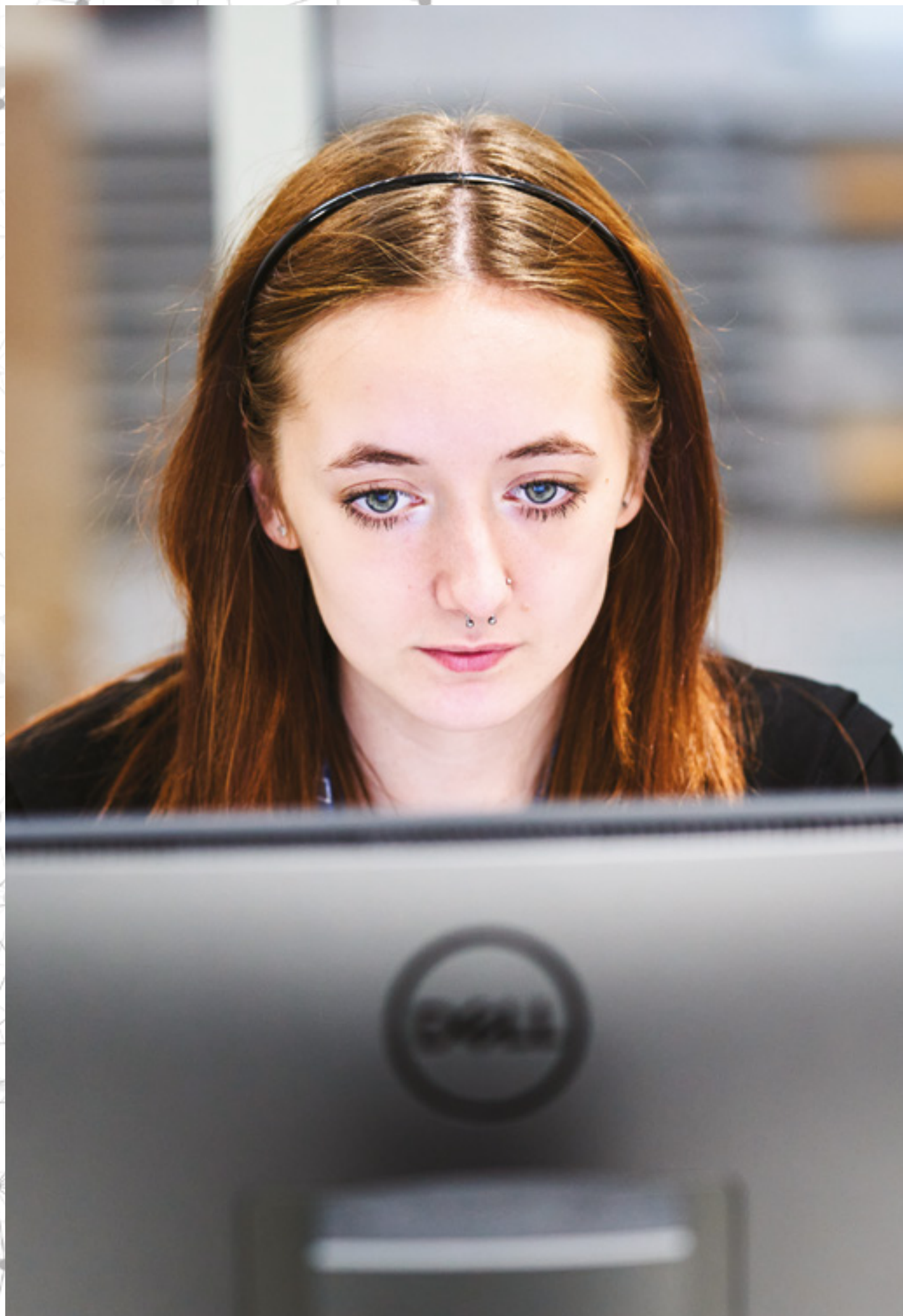
Depending on the course you choose, you could learn how to use multiple IT operating systems, networks and server set-ups, or develop your programming and designing skills.

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?

If you've obtained the necessary entry requirements prior to joining us or during your time in our Centre of Excellence, you may have the opportunity to progress into our Industry Excellence Academy for Computing and Digital.

The programmes of study within our Industry Excellence Academy have been co-developed with industry partners like Lloyds Banking Group and IDT. Working so closely with employers means you'll benefit from courses that are aligned with current industry skills demand, as well as a range of industry-level activities and lessons.

This will include masterclasses and lessons delivered by industry experts, visits from guest speakers at the forefront of the industry and 'live briefs' to industry standard that will see you working on the kind of projects you'd be completing once you begin your career in computing and digital.

In our Industry Excellence Academy for Computing and Digital you'll complete a placement with an industry employer of at least 15 days and, in many cases, you'll receive a mentor from your chosen industry to support you along the way.

Once you complete your journey in our Industry Excellence Academy for Computing and Digital you will have the qualifications you need to take the next steps towards an amazing career. As well as the experience and skills that will help you stand out to future employers.

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 this one-year Level 2 T Level Foundation Year as part of our Industry Excellence Academy for Computing and Digital.

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 Industry Excellence Academy, 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**

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

If you're aged 16-18, our Centre of Excellence for Computing and Digital is set up to help you do just that!

Study Programme
You'll join our Centre of Excellence for Computing and Digital when you enrol on any of our qualifications from Entry Level to Level 3.

If you haven't already obtained a Grade 4 GCSE or the equivalent Functional Skills at Level 2 in English or maths, you'll study to achieve this level of qualification alongside your course. If you have a Grade 3, you will study a GCSE resit.

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 careers available to you.

Employability Sessions
You'll be assigned an Employability Tutor and will take part in dedicated 'employability' sessions, which will help equip you with the skills you'll need to thrive in the workplace

Work Experience Placement
If you join our Centre of Excellence you'll spend a minimum of between six and 35 hours working in external workplaces across the region, while if you join our Industry Excellence Academy you'll complete at least 105 hours of work experience.

During your work experience you'll assist with day-to-day tasks and shadow staff to develop your skills and broaden your knowledge of the industry.

Industry Placement
You may be able to apply for an industry placement offering more than 315 hours of experience with a leading employer.

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
You'll learn more about the world of computing by taking part in a wide range of 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.

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.

Entry Level | Pathway to Computing and Digital Technologies
Wythenshawe | One Year

If you are looking for a career in IT and need a taster of which path to follow but haven't quite received the GCSE grades expected, then this is the course for you.

Our entry level course will help you to develop the skills you'll need to progress to a Level 1 course in computing and digital. It'll also give you a taster of some of the different careers open to you. Plus, as part of the course, you'll get to head out of the College to see how digital technologies are used in your local area.

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 | 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 | Computing for Digital Practitioners
City Campus Manchester | Two Years

Few skillsets open as many doors as digital technologies. You could end up becoming a games developer or web designer, or landing any of a huge number of other well-paid tech roles.

With this in mind, our Level 3 Computing for Digital Practitioners course covers a wide range of technologies and topics, from computer games to digital graphics, networking and web development.

A key focus is programming, so you'll learn all about website and application development – using CSS, HTML and C# – for both desktop and mobile devices. You'll also develop the skills you'd need to design and implement computer networks, as well as the security skills to help protect the systems you'd be building.

By the end of the course, you'll have discovered where your main strengths lie and developed real-life, problem solving, marketable skills to help you succeed in the digital world.

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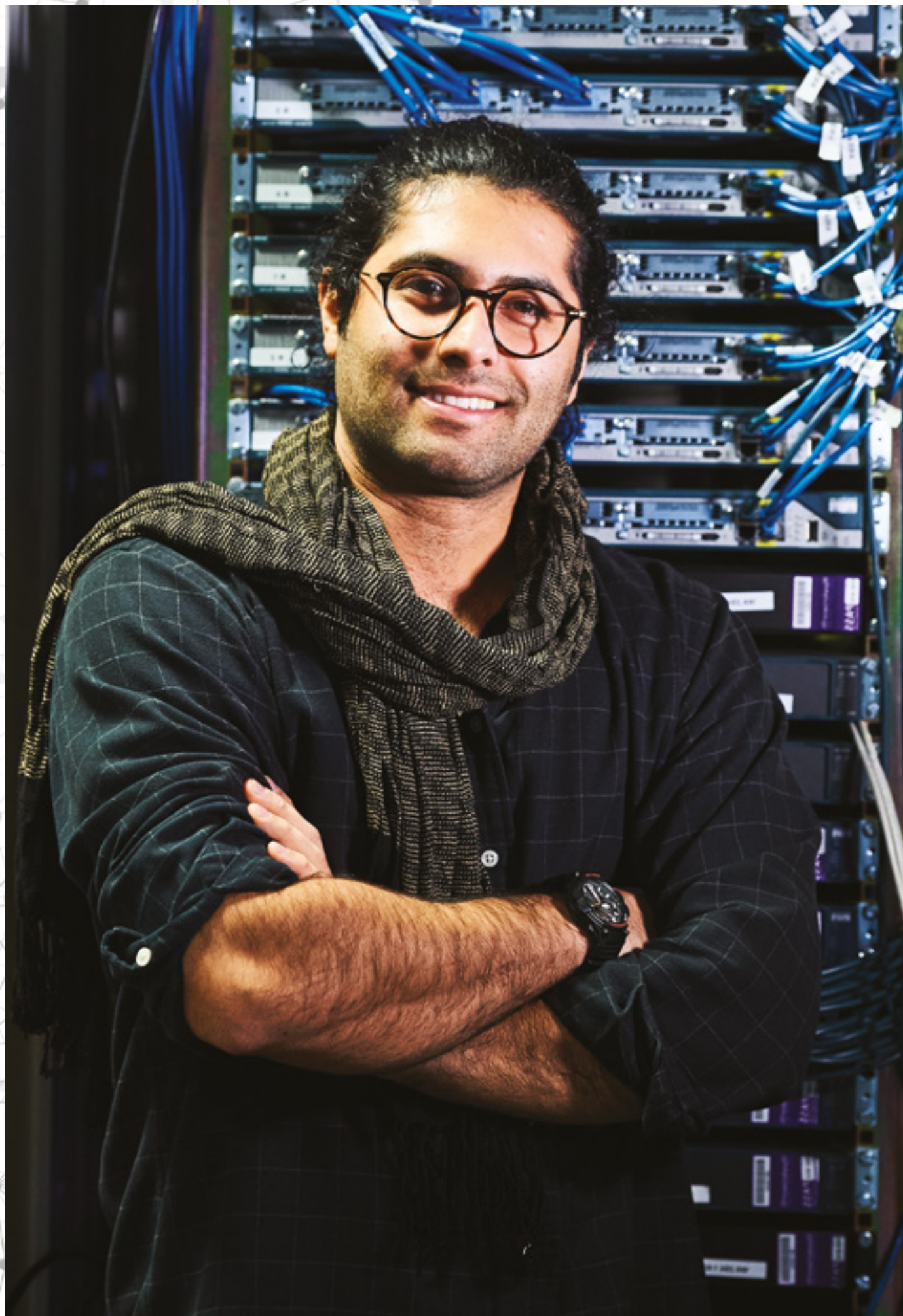### City Campus Manchester | Two Years

Are you itching to get out into the 'real world' and put your talents into action? This course will see you working on real briefs and you'll be covering a wide range of topics to gain a broad overview of the computing and digital world.

You'll discover how to use social media, design and develop software, and build websites, all in a real working environment. You'll also learn about the principles of computer science and let your creativity flow with digital graphics and animation.

Whether you decide to use your qualification as a springboard to higher education or head straight out into the workplace, it'll give you the skills you'll rely on throughout your career.

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**

Essential Digital Skills | Entry Level 3 & Level 1

Digital and IT Skills | Level 2

IT Technical Support | Level 2

Coding | Level 3

Coding Principles | Level 3

Computing Principles | Level 3

Cyber Security Practices | Level 3

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.

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

Introduction to Internet of Things (IoT)'

JavaScript Essentials 1 (JSE)

Network Essentials

Programming Essentials in Python

CCENT suite of courses including networking, routing and security

C# Intermediate 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

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tmc.ac.uk/supported-learning

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 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 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.

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.

HND
A HND is considered equivalent to the second year of a three year degree course. You can 'top-up' your Foundation degree to a full Bachelor's degree with a one year 'top-up'. course.
Computing for England - 2 years

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.
Foundation Degree FdSc 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 Network Engineering - 1 year

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

Careers

Software Developer
Starting salary: £20,000
Salary with experience: £70,000

As a software developer, you'd come up with creative solutions to issues faced by businesses, charities and individuals. You'd play a key role in the design, installation, testing and maintenance of software systems. You could write computer programs from scratch or re-work programs that already exist. If you love solving problems and trying out new tech, you'd be in your element in this career.

IT Support Technician
Starting salary: £16,000
Salary with experience: £35,000

As an IT support technician, you'd be responsible for setting up, developing and maintaining computer networks within, or between, organisations. You'd be offering support to users and troubleshooting any problems that might arise. You could even get involved in designing new networks.
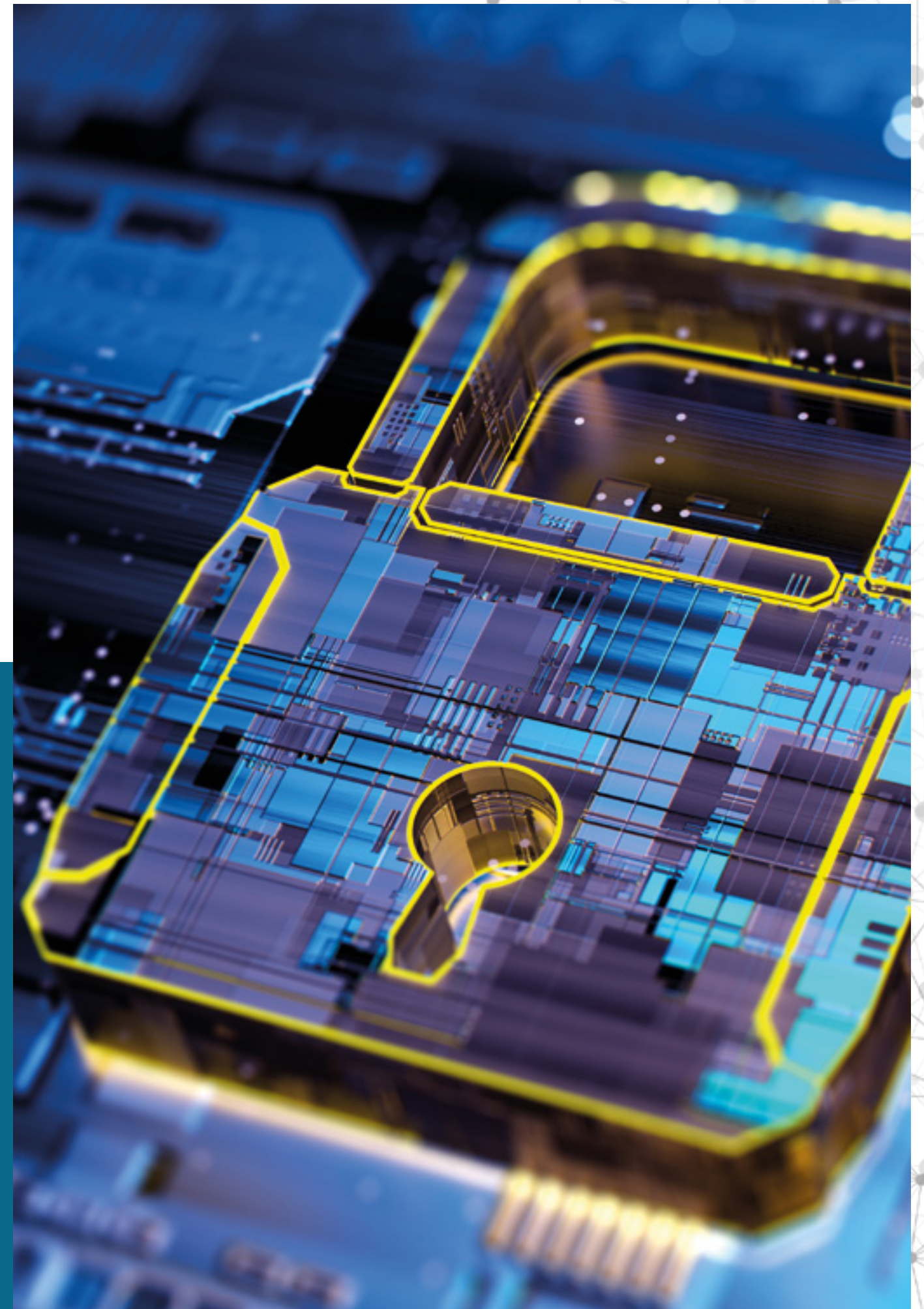
IT Systems Analyst
Starting salary: £24,000
Salary with experience: £62,000

As a systems analyst, you'd analyse every corner of a company's IT systems. You'd make recommendations for improvements and research enhanced systems. You could also end up designing new IT systems.

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 is passionate about enabling students to be the best they can be and helping them to 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 14 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 six 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.

Our locations

In our Industry Excellence Academy for Computing and Digital you'll benefit from the 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

"What our students say

I chose Digital Technologies at The Manchester College as I was interested in computer science and programming. This course offered a lot, such as basic programming skills, recoding and checking for errors, software and hardware. I've really enjoyed studying at the College. I'm interested in the technical side of creating video games more than the artistic side, so I'd love to work for one of the games companies in programming.

Jessica Ashton, Level 3 Digital Technologies

I have learned about all the different job opportunities within IT departments. The guest speakers are really helpful and have helped me understand about the pathways they took to achieve their roles. I would highly recommend The Manchester College - my top tip is to take a course that you will find interesting.

Raja Jamile Camara, T Level Digital Production, Design and Development

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

Step 4

Book to attend an interview

Step 5

Register to attend our New Student Welcome Day in July (16-18 only)

Step 6

We will invite you to enrol in 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

 @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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