

CONSTRUCTION & ENGINEERING





About us

**Do you want to make your mark on Manchester or even the world?
With a career in construction or engineering, you'll be able to see the
results of your work for years to come.**

One look at the number of cranes dotted across the Manchester skyline will tell you that the construction sector is booming in this city. There's huge demand for highly skilled tradespeople, from architects to joiners and plumbers, and no better place to learn your new trade than at The Manchester College.

We'll give you access to everything you need to master the in-demand skills that employers are looking for.

You'll be learning in one of the most technically advanced Construction and Engineering training centres in the North West. We deliver bespoke training in areas including electrical and electronic engineering, design, surveying and planning and much more.

You'll be mastering your skills in realistic working environments at our redeveloped Openshaw campus and Wythenshawe campus, using cutting edge, industry-standard equipment.

And you'll have the security of knowing that the department you'll be studying in has an excellent reputation in the industry. Our Construction and Engineering team worked with the BBC's 'DIY SOS Big Build' to create a veterans' village in East Manchester, and we're also an academic partner to the Society of Operations Engineers (SOE).

Plus, The Manchester College is one of the only education providers in the whole of England that works directly with the fire sprinkler industry, to ensure students get the exact skills that the sector needs.

If you want to work alongside colleagues in a challenging, practical environment, a career in construction could be just what you're looking for. And the first step is easy – choose your course.

So, what are you waiting for?



If you've achieved the necessary entry requirements prior to joining us or during your time in our Centre of Excellence, you may be able to progress into our Industry Excellence Academy for Construction and Engineering.

The programmes of study within our Industry Excellence Academy have been co-developed with industry partners and will allow you to transition straight onto one of our Construction and Engineering T Level courses.

Working so closely with employers means you'll benefit from courses that are aligned with current industry skills 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 industry-standard 'live briefs', that will see you working on the kind of projects you'd be completing once you begin your career in the construction industry.

In our Industry Excellence Academy for Construction and Engineering, 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 Construction and Engineering, 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.



Study for a Technical Level (T Level) qualification in Construction or Engineering and Manufacturing

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 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)
- Automatic enrolment to The Manchester College Competitions Teams
- 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 | Building Services Engineering for Construction (Electrical Installation) | Openshaw | Two Years

Our T Level in Building Services Engineering for Construction (Electrical Installation) is perfect for you if you want to develop a career in construction areas such as electric installation and maintenance, plumbing or heating.

Over the two years, you'll develop a core understanding of the construction industry and broaden your knowledge of building engineering in areas such as building technology principles, building services engineering systems, maintenance principles and tools, equipment and materials.

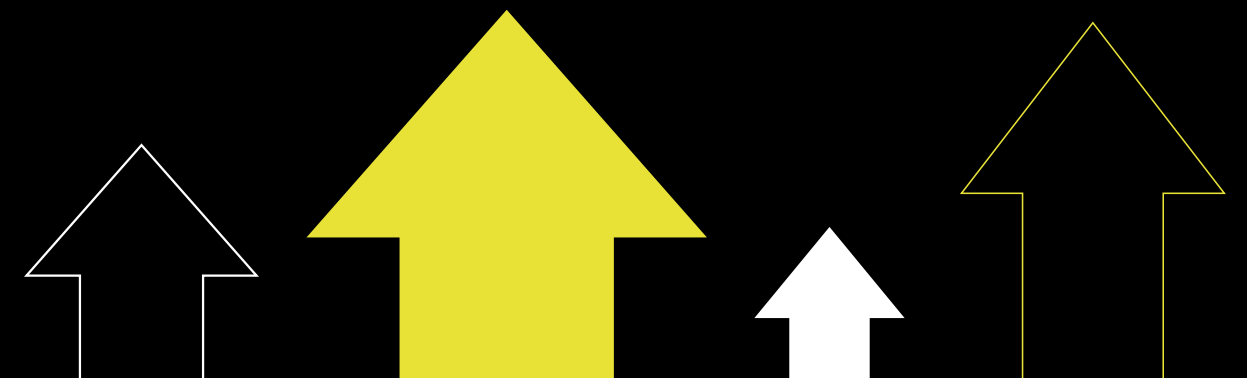
You'll also learn all about the principles of electrical science and installing wiring systems and enclosures, putting your knowledge into practice during your industry placement.

Level 3 | T Level | Design and Development for Engineering and Manufacturing (Electrical and Electronic Engineering, and Mechanical Engineering pathways) Openshaw | Two Years

Our T Level in Design and Development for Engineering and Manufacturing is suitable for you if you have a desire to follow a career working in a role such as a design engineer. We provide students with a choice of Electrical & Electronic Engineering Design & Development or Mechanical Engineering Design & Development.

You'll start by broadening your understanding of materials and their properties, mechanical, electrical and electronic principles and how materials, conditions and context influence design processes. You'll also develop your knowledge of the essential science and mathematics required to have a successful career in engineering and manufacturing as well as your business, commercial and financial awareness.

Once you've developed a solid foundation of knowledge, you'll focus on specialising in a specific area of design and development for engineering (Electrical and Electronic or Mechanical), putting what you learnt throughout year 1 of the course into practice both in College throughout year 2 and during your industry placement.



Level 3 | T Level | Design, Surveying and Planning for Construction
Openshaw | Two Years

If you want to become a project manager, surveyor or architectural technician in construction, then you'll want to study our T Level in Design, Surveying and Planning for Construction.

During this two year qualification you'll develop a core understanding of the construction industry and working practices. You'll learn all about highly specialised areas such as project management, budgeting and resource allocation, procurement and risk management that are key to being a success in the industry.

You'll have the opportunity to gain experience during your work placement with our industry partners, working on-site to develop your team building skills and learning all about how a construction site and construction project functions.

Level 3 | T Level | On-Site Construction (Carpentry and Joinery)
Openshaw | Two Years

If you want to start a career in construction, working in carpentry and joinery, then this is the T Level for you.

Throughout the two years you'll develop a core understanding of the construction industry and working practices, learning about construction methods, health and safety, building regulations, the construction industry and its role in the economy and much more.

You'll then focus your attention specifically on carpentry and joinery, finding out about the design elements of the role as well as on-site operations and expectations, before using that knowledge during your placement with one of our industry partners.

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 as part of our Industry Excellence Academy for Construction and Engineering.

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

Level 2 | T Level Foundation Year | Building Services Engineering (Electrical Installation)
Openshaw | One Year

If you enjoy working with electrics and are looking for a career with great opportunities for progression, then our Level 2 Building Services Engineering qualification is for you.

You'll learn all about the skills you'll need to apply for jobs in the electrotechnical sector or progress to further education, including the principles of electrical science, how to install wiring systems and enclosures, and the different types of electrical installations technology that you might encounter when you're working out in the sector.

You'll be taught by skilled tutors and benefit from demonstrations and talks by local employers. As the saying goes: "the best way to learn something is to do it yourself", so most of this course is hands-on, allowing you to get to grips with new tools and techniques from your very first week. Upon completion of this T Level Transition Programme, you'll have the opportunity to progress onto our T Level in Building Services Engineering for Construction (Electrical Installation).

Level 2 | T Level Foundation Year | Design and Surveying
Openshaw | One Year

If you have a sharp, analytical mind and want a job in a highly specialised sector, this course can kick-start your journey towards a great career.

It is focused on teaching you the practical skills you'll need out in the workplace. You'll be practising your new skills in realistic work environments here at the College, as well as on real sites throughout your work placement.

You'll also be building the crucial attributes you'll need to land your first job, such as the ability to work well in a team, plan towards a deadline and follow a set brief. Plus, you'll learn to present information clearly, follow processes and complete any necessary admin. Once you've achieved your Level 2 qualification, you'll be able to progress straight to our T Level in Design, Surveying and Planning for Construction.

Level 2 | T Level Foundation Year | Engineering
Openshaw | One Year

If you see your future in engineering and manufacturing and you'd like to go on to study a T Level, then this qualification is the perfect first step for you.

You'll start by learning all about engineering principles as well as the processes and materials you'll be making use of when you start your career. You'll go on to develop the practical skills you'll need when working in the industry including workshop skills, machining techniques and PCB components and soldering.

After finishing this T Level Foundation Year you'll have all the skills and knowledge you'll need to progress onto our T Level in Design and Development in Engineering and Manufacturing.

Level 2 | T Level Foundation Year | On Site Construction
(Carpentry and Joinery)
Openshaw | One Year

This Level 2 course has been designed in collaboration with our industry partners, so you'll gain the exact skills and knowledge that employers are looking for.

A key focus is carpentry and joinery, so you'll learn to cut, fasten, carve and design structures in wood and other materials. You'll also learn more about how a construction site operates and discover what employers will expect from you out in the workplace.

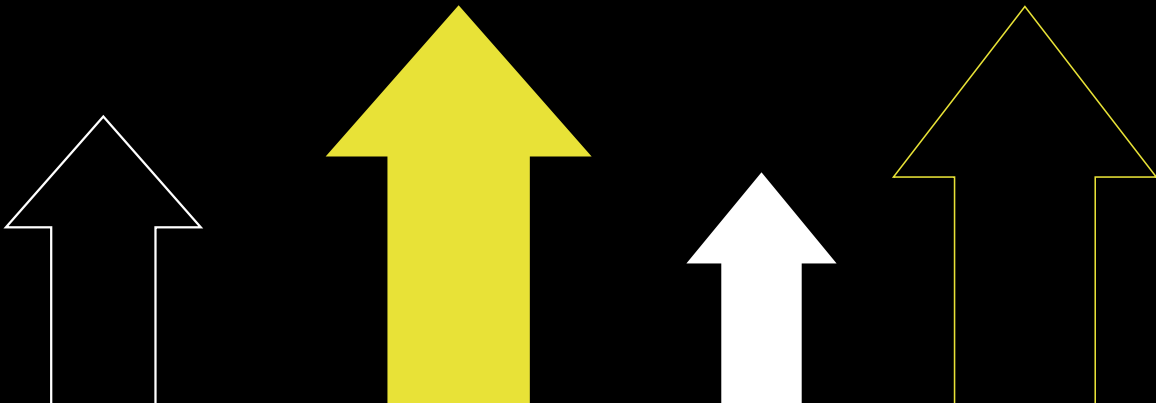
Once you've achieved your qualification, you'll have the opportunity to continue your education, by enrolling on our T Level in On Site Construction (Carpentry and Joinery).

Jump Start To T Levels

Both our T Levels and T Level Foundation Year programmes 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 T Level 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 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 Construction and Engineering is set up to help you do just that!

Study Programme

You'll join our Centre of Excellence when you enrol on any of our Construction and Engineering qualifications, from Level 1 to Level 3.

If you haven't already obtained a Grade 4 GCSE in English or maths, you'll study to achieve this level of qualification alongside your course. 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 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.

These placements give you an in-depth knowledge of the industry, allow you to gain hands on experience and provide an insight into career pathways.

Some of our students even go on to gain paid employment with their industry placement employer at the end of the year, so they offer a great first step into the industry.

Work-Related Activity

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

These might include visits from leading construction employers, Q&A sessions with people employed in the industry, masterclasses, and local and national trips to construction sites.



Courses

There are so many career paths you can take in the construction and engineering sector. Whether you're aged 16-18 or an adult learner aged 19+, whichever path you're thinking of taking, we can help you to get started on your journey with a course in our Centre of Excellence for Construction and Engineering.

Construction Skills

If you're not sure which trade is right for you, the following courses can help you to build skills in a wide range of areas. You'll explore bricklaying, carpentry and joinery, plastering, and painting and decorating. You'll also gain a greater understanding of what it's like to work in the industry and learn more about how to behave in the workplace, including keeping yourself and others safe on a building site.

You can use these courses to help you decide which trade to specialise in, or as a route to setting up your own maintenance or home improvements company.

Entry Level Construction Skills | Openshaw / Wythenshawe | One Year | 16-18

Level 1 Construction Skills | Openshaw / Wythenshawe | One Year | 16-18

Bricklaying

As a bricklayer, you'd be able to see the results of your hard work for the rest of your life. Our bricklaying courses will teach you everything you need to know, from the craft itself and estimating costs, to working in a safe, professional manner and an accepted code of practice. You'll also be gaining valuable work experience.

Level 1 Bricklaying | Openshaw | One Year | 16-18

Level 2 Bricklaying | Openshaw | One Year | 16-18

Carpentry and Joinery

Are you considering a career as a carpenter or joiner? If you want to learn the essential skills required by the construction industry and earn a widely-recognised qualification, then these are the courses for you.

Once you complete your course, you could find yourself working on everything from staircases to timber frame buildings. So you'll need to learn a wide range of essential skills during your time with us, including how to carry out first fix flooring, roofing, frames, partitions and stairs. You'll also explore carpentry maintenance and second fixing operations, as well as learning how to set up and operate a circular saw.

Level 1 Carpentry and Joinery | Openshaw | One Year | 16-18 / 19+

Level 2 Carpentry and Joinery | Openshaw | One Year | 16-18 / 19+

Electrical Installation

Are you fascinated by how electrical systems work? If so, do you want a career building and maintaining electrical installations in machines or structures? These courses can get you started on your journey.

As you progress through the levels, you'll explore a wide range of areas within electrotechnical technology.

You'll be learning the principles of electrical science, as well as getting hands-on practical experience with electrical installations technology. You'll also discover more about what life would be like out in the workplace and what would be expected of you, including how to keep yourself and team mates safe.

By the time you reach the Level 3 course, you'll have the basic skills and experience you need to progress into the workplace.

Level 1 Electrical Installation | Openshaw | One Year | 16-18

**Level 2 Electrical Installation (Building Structures)
Openshaw | One Year | 16-18 / 19+**

**Level 3 Electrical Installation (Building Structures)
Openshaw | One Year | 16-18 / 19+**

Engineering

If you're interested in a career in engineering, this courses is the perfect place to start.

The Level 1 Engineering course is for 16-18-year-old students, with an interest in Engineering, Engineering Drawing, CAD and the fundamentals skills and knowledge common to all engineering practices.

Once you've completed your Level 1 course, you'll have a solid understanding of the engineering discipline, and be ready to deepen your understanding and progress onto a T Level Foundation Year at Level 2 in your chosen Engineering discipline.

Level 1 Engineering | Openshaw | One Year | 16-18

Painting and Decorating

As a painter and decorator, you'd be transforming homes for a living.

Our qualifications will give you the chance to build your skills through hands-on, practical sessions. You'll learn everything from preparing surfaces and applying paint by brush and roller, to erecting and dismantling access equipment and working platforms. You'll also explore specialist decorative finishes and a wide range of other topics.

These qualifications are widely recognised in the construction industry, so will set you on the path to a rewarding career.

Level 1 Painting and Decorating | Openshaw | One Year | 16-18

Level 2 Painting and Decorating | Openshaw | One Year | 16-18



Plastering

Skilled plasterers are always in demand, and these courses will give you the skills and qualifications to set yourself up in business.

As well as learning how to apply plastering materials to interiors, and fix dry linings and plasterboards, you'll explore the other key things you need to know if you're to work as a plasterer. This includes keeping yourself, and others, safe.

As you progress through the courses, you'll expand your knowledge in a number of different areas and have the opportunity to focus on either solid or fibrous plastering. By the time you finish at The Manchester College, you'll have laid the groundwork for a successful career.

Level 1 Plastering | Openshaw | One Year | 16-18

Level 2 Plastering | Openshaw | One Year | 16-18



We'll help you Accelerate2industry

As soon as you enrol on a Construction and Engineering 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.



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



DEGREE LEVEL

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

You can study one of our HNC's part-time:

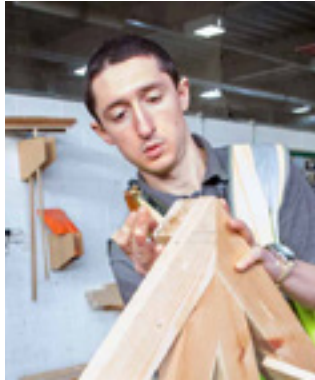
HNC Construction Management for England - 2 years

HNC Modern Methods of Construction for England - 2 years



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

Careers



Carpenter/Joiner

Starting salary: £17,000

Salary with experience: £38,000

As a carpenter or joiner, you'd use your skills in woodcraft to measure, cut and fit everything from floorboards and partition walls through to ornate staircases, roof joists and kitchens. It's a rewarding career, as you're able to see the fruits of your labour and make buildings safer, more beautiful places to live and work in.



Electrician

Starting salary: £18,000

Salary with experience: £42,000

An an electrician you'll provide buildings with energy to light rooms, heat water and power devices. You will also install, inspect and test electrical equipment, to ensure it is safe and working as it should. You could work on a construction site, at a client's business, at a client's home or on the streets.



Engineering Technician

Starting salary: £18,000

Salary with experience: £40,000

As an engineering technician, you could put your problem solving skills to the test in fields such as electronics, software, quality control and manufacturing. On an average day, you might create technical drawings, carry out experiments or test products.



Meet the team

We believe that students generally learn best from tutors who have real-life experience of their subject, so you'll find that most of your tutors will have worked in the construction industry for several years before joining The Manchester College.



Ayub Moosa
Assistant Principal

Ayub took over as Assistant Principal for Automotive, Construction, Engineering and Logistics in April 2022 having previously been Head of Automotive and Logistics.

He has 12 years' management experience in the automotive industry and has a particular interest in helping students (whatever their age) to find a job they love in their chosen sector. With this aim in mind, he makes sure that our courses meet the requirements of local and national employers.

He works closely with companies to identify skills gaps, which our courses can then fill.



Chris Mayoh
Head of Department

Chris took over as the Head of Engineering in October 2022 having previously been in a similar role at a different college.

Chris has over 10 years of experience in the engineering sector and further education sector. He enjoys supporting students to achieve their potential at all levels and has a particular interest in supporting students onto positive destinations such as higher education, apprenticeships or full time employment.

Chris enjoys working with local employers to ensure that the curriculum offering at the College meets their needs to fill the skills gap within the sector.



Gary Latham
Engineering Tutor

Gary started his career as an Electrical Engineering apprentice at 16 for a Swiss printing company that specialise in metalising machinery manufacture, maintenance and testing/commissioning across the globe.

He then went on to higher education, completing his HNC and spending years within the industry working at different companies in the food and printing industry.

Gary particularly enjoys seeing the progression of learners from when they start with us at the college, to obtaining employment or higher educational studies.

He is also driving the T Level programmes to ensure the best curriculum is set up for the learners and their futures within the industry.



Warren Cousins
Electrical Installation Tutor

Warren has worked for over 30 years in the electrotechnical industry as an Electrical Tutor, Associate Electrical Engineer and Electrical Installer. He has worked both locally and internationally in various countries such as; Bermuda, United States, Panama and Jamaica.

The electrotechnical industry became his passion from early secondary school education. Warren went on to pursue his dream by completing a diploma in Electrical Technology, followed by a Bachelor of Education degree in Electrical Technology.

Warren has spent the last 15 years teaching Electrical Installation to students of all ages, from school leavers to adult learners. He is passionate about planning and delivering high quality, learner-focused education in a secure and friendly environment to enable learners to fulfil their full potential.

Our locations

When you enrol on to one of our Construction and Engineering courses, you'll benefit from some of the most technologically advanced training centres in the North West.

You'll be learning in simulated working environments with brand new, industry standard equipment at our newly developed Openshaw campus in East Manchester. We have 25 specialist construction workshops, including bespoke areas for scaffolding, refrigeration, and fire sprinkler installation.

You can also study a number of courses at our Wythenshawe campus where we have a wide range of high-quality facilities that will enable you to gain all the skills you will require for a future career.



- 1 Openshaw Campus**
Ashton Old Road, Openshaw, Manchester M11 2WH
- 2 Wythenshawe Campus**
Brownley Rd, Wythenshawe, Manchester, M22 9UH

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What our students say

We get way more experience than I ever imagined on the course. I'm working towards an apprenticeship and my tutors have been so supportive in helping me find somewhere. They push us to be the best we can be. I've gained experience in so many aspects of carpentry and joinery including window sill repairs, flooring, doors and much more.

Malakei Blyth, Level 2 Carpentry and Joinery



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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 Construction and Engineering at The Manchester College and to apply scan the QR code or visit: **tmc.ac.uk/construction-engineering**



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**



The
Manchester
College®
be amazing

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.