

# Where Bright Sparks Fly

Year 10 Prospectus  
2020 - 2021



A SCIENCE & ENGINEERING ACADEMY  
& SIXTH FORM

  
**Ofsted**

Good  
Provider

# Engineer your future at UTC Warrington



We are extremely proud to work with Manchester Metropolitan University (MMU).

With close support from our university sponsor, we reap the benefit of their expertise by supporting students' access into high-quality Higher Education provision, as well as the technical knowledge of the academic experts at the MMU School of Science & Engineering.

We are a purpose built technical college in the heart of Warrington – a town synonymous with engineering, technology and manufacturing. We are proud to have a strong relationship with some of the North West's highest regarded STEM organisations, including Sellafield Ltd, Wood PLC and Cavendish Nuclear, who have supported our development since September 2016, alongside our Higher Education Partner – Manchester Metropolitan University.

In our college, we provide a unique, aspirational, technical and academic curriculum, which prepares students for an exciting career through our range of high-quality BTEC qualifications. Students are encouraged to develop their technical knowledge and work directly with the region's employers to build their workplace skills. Our personal development programme is a fantastic way for our students to challenge themselves and enhance their softer employability skills.

We were pleased to welcome our first Ofsted inspection in June 2019. The inspectors were extremely impressed by what they saw, particularly the progress made by students and the destinations that our leavers progress onto. A UTC is very different from a school, focusing on technical skills and knowledge, employability, and personal development; this has been recognised by Ofsted.

I look forward to carrying on the great work with students, parents, MMU and employers alike, as we continue to establish UTC Warrington as an outstanding and dynamic educational institution.

**Lee Barber,**  
Chief Executive and Principal



*Excellence & Kindness*

# Our Employer Partners

Our employer partners are the driving force behind UTC Warrington. It is their hard work and determination that has ensured we are able to provide the very best opportunities for our students.

Close relationships with our employer partners are integral to ensuring we have a curriculum that best fits the needs of industry. 203,000 people with Level 3+ engineering skills are needed every year to meet national demand. Our curriculum pathways have been developed to ensure that Warrington has the very best candidates and a sustainable workforce for the future.

There is an annual shortfall of up to 59,000 engineering graduates and technicians to fill core engineering roles.

We are proudly working together to close the national skills gap.



“Leaders of the college ensure that the requirements of the study programmes are met. They have greatly extended their partnerships with local and national employers to provide meaningful work experience for students. Leaders use industrial visits very effectively to enliven the curriculum and prepare students for life at work.”  
- Ofsted, 2019

## “Empowering the Next Generation”

Students are exposed to the world of work through a variety of different employer engagement activities. Working with industry experts, students are encouraged to participate in these experiences to support their career ambitions.

### Employer Engagement Activities

- Trips and visits
- Employer-led projects
- Business mentoring
- Masterclasses and workshops
- Work experience



## Exercise Downbird Recovery

UTCs from across the country were challenged by the Royal Navy to design and build two remote-controlled vehicles, a land-based recovery vehicle capable of carrying a stranded helicopter and a ship that could transport it to safety. Four of our Year 10 students competed against 70 national teams in Portsmouth with an overnight stay on HMS Bristol. The challenge was a fantastic opportunity to put their learning into context.



## Women in STEM

For the past two years, coinciding with Women in Engineering Day, we have invited women from across Warrington and the North West to join our cohort of female students to discuss the roles they play in the world of STEM. The speed-networking events have given students the chance to meet successful women in a fast paced, exciting environment, uncovering what they do on a day-to-day basis and how they achieved their roles.

# Ofsted Report

We had our first Ofsted inspection in 2019. We are delighted that the work of all staff and students at the UTC has been formally recognised.

You can read the full report at [www.utcw.co.uk/ofsted](http://www.utcw.co.uk/ofsted).

“Leaders have ensured that the college has rapidly developed and improved in its first three years. It has already become successful in ensuring that pupils have the skills and experience they need for their futures. Pupils are well prepared for apprenticeships, further and higher education, and longer-term careers in STEM employer.”

“Students do particularly well in technical subjects. They show strong commitment to preparing themselves for their future careers or for higher education.”

“Teachers use employer partnerships to promote learning through work experience and industrial visits.”

“The positive relationships between teachers and pupils help pupils to engage in their learning. The college has a calm and hard-working atmosphere.”

“Students engage well in their studies. They pay attention in class and behave respectfully towards their teachers and towards each other.”

  
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## Lilly-Mae

Joined us from Cardinal Newman.  
Studied Engineering Pathway at GCSE.  
Studying the Engineering Pathway at UTCW Sixth Form.

“Joining UTC Warrington was the opportunity for a fresh start. I have always seen the creativity in engineering and wanted to pursue a career as a design engineer. Continuing my studies into Sixth Form will give me the opportunity to focus my interests further and participate in more employer engagement activities.”

## Will

Joined us from Culcheth High School.  
Studied Engineering Pathway at GCSE.  
Secured a Project Management Apprenticeship with Wood PLC.

“I chose to get an apprenticeship since becoming interested in Engineering and the college has helped me secure an apprenticeship with Wood PLC. The UTC is more personal than my previous school and I have been given more opportunities to build my character through leadership and cadet activities.”

## Dan

Joined us from Penketh High School.  
Studied Engineering Pathway at GCSE.  
Studying the Cyber Pathway at UTCW Sixth Form.

“I chose UTC Warrington because I wanted more experience in Engineering and I saw the opportunities available at the college. The curriculum is focused and you can study what matters to you. It’s been great to gain relevant work placements, good careers support and meeting like-minded people. I now see my potential in cyber and I’m looking forward to studying this pathway.”



# Our Key Stage 4

We are the place to study STEM subjects in Warrington.

Studying in Year 10 and 11 at UTCW is a little different from a traditional secondary school. Most students are ready to be given more responsibility and to be treated like an adult. Students will learn in a unique environment and develop partnerships with local and national businesses.

Aspirational students have the chance to excel. UTC Warrington offers a mature professional atmosphere, preparing students for their next steps in industry. We are committed to supporting the personal development of our students to ensure that they have the core employability skills and values employers are looking for.

“Joining us at Year 10 gives students the edge when considering their future careers. We offer dedicated support to each student to ensure that they reach their potential.

- Mrs Garrett, Key Stage Four Progress Leader



## Top 6 Reasons to join UTCW

### Employer led curriculum

Our approach to learning is to work closely with local employers to ensure students develop the skills required in the future. Employers shape our curriculum and support students by putting their learning into context through masterclasses.

### Professional adult environment

We offer a professional environment for students to flourish. We promote workplace behaviours (leadership, organisation, resilience, initiative and communication) to prepare students for their next steps after college.

### Industry experience

Through our employer engagement activities students get first-hand industry experience. We actively encourage students to engage in business mentoring, workplace visits, masterclasses and participate in a two week work experience placement at the end of Year 10.

### High quality teaching

Our teachers are experts at what they do and care passionately about their subject; many of whom have come from industry. Small class sizes create the perfect learning environment for our students meaning they have access high quality teaching without distraction.

### Our ethos

We celebrate Excellence and Kindness at UTC Warrington, ensuring that our students develop positive relationships and treat people with respect and tolerance.

### Strong advice & guidance

Our staff are fully committed to offering careers, advice and guidance to all students, supporting them with CV writing, application processes and interview techniques. Each student has a Personal Tutor who will support them throughout their journey and we boast a large pastoral team for any student who needs extra support.

# Our Courses

Our curriculum offers every student the opportunity to study core academic subjects, alongside specialisms in Engineering, Civil Engineering and Cyber. We don't offer all the subjects you might find in your local secondary school. Instead, we provide a complimentary set of pathways that equip our students for further study and employment in their chosen field.

Each pathway has been designed with industry-leading employers who are seeking their future talent to be skilled and knowledgeable in specialist areas.

All students are required to study Maths, English, English Literature and Science alongside three optional GCSE courses. Our academic and technical curriculum is supported by SMSC & PE.

## SMSC

SMSC promotes the spiritual, moral, social and cultural development of our students. The lessons explore beliefs and values, the law and consequences, the importance of local community and democracy along with an appreciation of cultural influences.

## PE

Promoting healthy living is essential. We take students out to local, state-of-the-art sports facilities and playing fields to ensure that students are kept active and develop a lifelong enjoyment of physical activity.

# Engineering

Looking for a future career in engineering? Our Engineering Pathway offers students an excellent grounding in the knowledge and experience of fundamental engineering principles.

Alongside studying core subjects, students have the opportunity to access expert teachers and industry standard equipment that will prepare them for a variety of engineering careers.

The engineering courses provide students the chance to learn about different manufacturing practices and the processes involved in designing new engineered products. This is complimented with geography, which give students a wider understanding of the world we live in and the need to adapt and develop engineering processes to ensure we live in an sustainable world.

## GCSE Subjects

- Maths
- English
- English Literature
- Science
- Geography
- Engineering Manufacture
- Engineering Design

## Careers

Mechanical Engineer, Electrical Engineer, Design Engineer, Aerospace Engineer and Draughtsman.

# Built Environment

**Civil Engineering is everything you see that's been built around us. Our Built Environment Pathway provides students a varied and challenging experience which will couple students creativity with an understanding of technical engineering topics.**

This pathway provides students with a unique insight into civil engineering and construction. Through the combination of geography and construction, students will learn about the challenges of living in the built environment such as housing and services, and how we are creating new sustainable environments.

Studying art and design alongside core and optional courses enables students to develop their creativity, which is essential in the engineering and construction sectors.

## GCSE Subjects

- Maths
- English
- English Literature
- Science
- Geography
- Art & Design
- Construction & Built Environment

## Careers

Civil Engineer, Quantity Surveyor, Site Manager, Structural Engineer, Architect and Building Control.

# Cyber

**Computer Science is radically changing the way in which we experience our world. Our Cyber Pathway is a stimulating and challenging programme of study that equips students with the confidence to successfully contribute to our digital society.**

Students will gain not only knowledge and practical experience of the latest technologies, but also a grounding in the modern commercial and cyber world. Studying computer science provides students the opportunity to look behind the everyday computer systems and the engineering and productive capacities of computers. This is compliments by studying ICT which combined delves into the world of small enterprises and large multinational companies and how IT process are used through business.

## GCSE Subjects

- Maths
- English
- English Literature
- Science
- Computer Science
- ICT
- Business Studies

## Careers

Cyber Security Analyst, Software Developer, Computer Programmer and Games Designer.

# A 4 Year Journey

After their GCSEs, students have the opportunity to continue their studies at Sixth Form.

We offer dedicated STEM pathways for students to follow as they continue to develop on their career journey. We attract students who are highly self-disciplined, have a positive attitude to learning and enjoy the opportunity to work hard. These students understand the value of getting ahead of the rest. They set their sights on securing top apprenticeships and university places.

SIXTH FORM @  
**UTC** | ENGINEERING  
WARRINGTON | BUILT ENVIRONMENT  
SCIENCE & CYBER

## Sixth Form Leavers Destinations

### University

Over 30% of our Sixth Form, successfully secured university places across the country. 100% of these students enrolled onto a STEM related degree, including Computer Science, Chemical Engineering and Mechanical Engineering.

### Apprenticeships

30.2% of our students went into higher, advanced or degree apprenticeships in 2018, compared to 6% nationally. For these students, the ideal pathway was learning, earning and investing in their future through securing an apprenticeship after college.

# Enrichment

We offer our students the opportunity to participate in a range of exciting enrichment activities, giving them the chance to pursue a variety of interests.

## STEM Ambassadors

Over the course of the year, there are many different opportunities for students to participate in STEM Ambassador activities including volunteering at Open Events, getting involved with the Student Council and working with local primary school delivering leadership events.



## Combined Cadet Force

Our CCF group is open to all students to join. It's a chance for students to break out of the classroom and strengthen their skills in leadership, organisation, resilience, initiative and communication. Students meet once a week and get the opportunity to go away on regular residential trips. The cadets are supported by 75 Engineers, a local army reserve unit based locally at Peninsular Barracks.





# Our Facilities

Based in the heart of Warrington, our unique building stands out amongst the skyline. Rising six stories high, each floor is filled with state of the art equipment, creating an innovative and exciting environment for students to learn.

Industry-standard specialist engineering equipment including a materials testing workshop, a mechanical and aeronautical engineering workshop, a hydraulics and pneumatics workshop and an electronics workshop.

State-of-the-art ICT resources throughout the college, with the latest interactive systems, programming software and array of 3D printers.

Four modern and well-equipped laboratories dedicated to delivering our extensive science curriculum.

Wheelchair accessibility across the site, including wide doorways and a lift to all floors.

The Green Room offers Sixth Form students the opportunity to use computers for private study and develop life-long relationships with other students during free periods.



# Our Culture

UTC Warrington is designed to reflect a business environment. We embed core employability values into all aspects of the college, from the dress code to the curriculum content.

We are engineering the future talent pipeline, to ensure Warrington has a growing, sustainable workforce. Employers are looking for students who understand the importance of punctuality and attendance, workplace behaviours and our employability values.

## Our Employability Values

Leadership • Organisation • Resilience  
Initiative • Communication

## Our Commitment to Students

We provide a safe and cohesive environment for all students allowing them to learn effectively and maximise their potential.

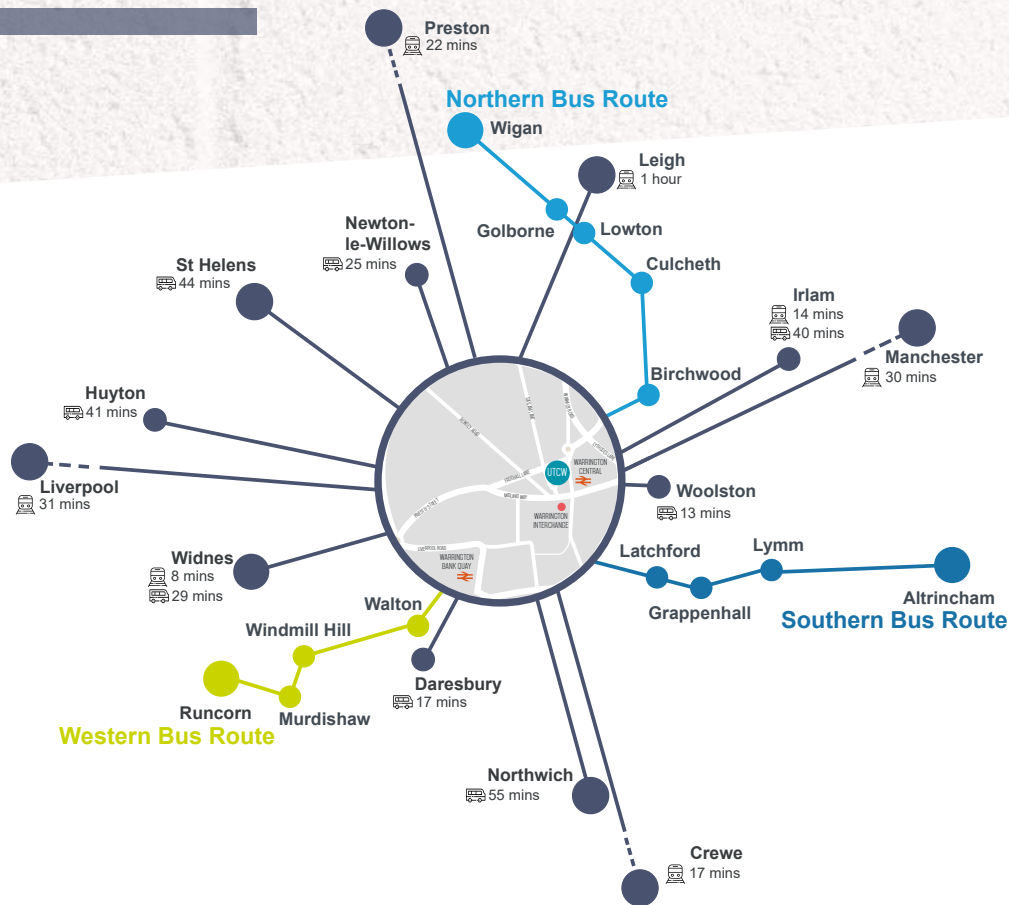
Our Anti-Bullying pledge encourages students to consider their actions and the consequences. We have embedded the values of excellence and kindness throughout the school, ensuring that all students feel safe.



98% of parents agree that their child feels safe at UTCW

## Excellence & Kindness

# Our Location



UTC Warrington forms part of the £190m Stadium Quarter development which will connect the bus interchange with the Warrington Wolves' Halliwell Jones Stadium.

Our six-storey, iconic building sits conveniently opposite Warrington Central train station and 2 minutes' walk from Warrington bus station. Making travelling to and from college straight forward for our students.

New for 2020, students living along our Northern, Southern and Western Routes will be able to access our free bus services. (Subject to sufficient interest. Register your interest online at [www.utcw.co.uk/bus](http://www.utcw.co.uk/bus))

# Discover UTCW

## Website & Social Media

Our website is a one stop shop for everything UTC Warrington, including in depth curriculum information. Along with our social media channels, it's regularly updated with new stories and events.

## Open Events

Throughout the year we hold a number of different events for potential students and parents. Upcoming events are posted on our website, where you can register your interest.

## Tours

For prospective students and parents unable to attend any of our events, you can book in a tour. For suitable dates and times please email [admissions@utcw.co.uk](mailto:admissions@utcw.co.uk) to arrange your visit.

# How to Apply

UTC Warrington is open to applications from students from across Warrington and the surrounding areas.

## Apply online at [www.utcw.co.uk](http://www.utcw.co.uk)

Once you have submitted your application to attend UTC Warrington you will be invited to attend a fantastic range of events during the current academic year, which are designed to prepare you for joining UTC Warrington.



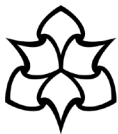


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## A New Kind Of Education

University Technical Colleges (UTCs) prepare students for the jobs of tomorrow. Driven by local industry needs, UTCs are schools for 14-19 year-olds that deliver technical education as well as core curriculum subjects.

**UTC Warrington is supported by...**



**Manchester  
Metropolitan  
University**



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#Engineeryourfuture



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