



LEADING STEM ACADEMY
& SIXTH FORM COLLEGE



YEAR 10 PROSPECTUS



2021/22



With specialist equipment, a unique STEM-based curriculum and extensive employer engagement, UTC Warrington offers Year 10 students a real and exciting alternative to local secondary school.

UTC Warrington is Ofsted graded Good and sponsored by Manchester Metropolitan University.



**University
Technical
Colleges®**

University Technical Colleges (UTCs) are government-funded science and technology academies developed with employers and universities to focus on the skills the UK needs for the future.

INTRODUCTION FROM THE PRINCIPAL

Welcome to UTC Warrington! We are a purpose-built science and technology academy in the heart of Warrington – a town synonymous with engineering, technology and manufacturing.

Students in Year 10 and Year 11 with a passion for Science, Technology, Engineering or Maths (STEM) can study an exciting specialist pathway alongside core GCSE subjects:

- ⚙️ Engineering Pathway, including Engineering with elements of Engineering Design, Engineering Manufacture and Geography.
- ⚙️ Construction Pathway, including Construction, Geography and Architecture.
- ⚙️ Digital Pathway, including Computer Science and Creative iMedia.
- ⚙️ Healthcare Pathway, including Health and Social Care.

Our unique combination of technical and academic curriculum is complemented by a personal development programme which brings out the best in each student and enhances their softer employability skills.

Our success is measured in the great results and destinations that our students achieve. I am proud that we continue to uphold a record of securing 100% progression from Year 11 into further study, apprenticeships or employment. Our Year 13 students go on to higher and degree apprenticeships, as well as competitive university places.

We bring education and business together in a way that gives our students the very best preparation for high quality careers, working with the region's top employers, many of them global names, including Atkins, Balfour Beatty, Cavendish Nuclear, Fujitsu, Jacobs Engineering Group, Sellafield Ltd and Stanley Engineered Fastenings. As a result, we have established a talent pipeline into apprenticeships with these employers.

Our Higher Education Partner, Manchester Metropolitan University, and our employer partners are represented on the governing body and work closely with the UTC and the students to develop their employability skills and provide work placements.

For students who want more than just qualifications, we provide an all-round education focused on future progression. I look forward meeting you at one of our open events and to sharing with you the great opportunities that UTC Warrington provides at Key Stage 4,

Lee Barber

Chief Executive and Principal



TOP REASONS FOR CHOOSING UTC WARRINGTON



Breadth and depth of employer engagement



State-of-the-art STEM facilities



Personal development programme



One-on-one teaching in small class sizes



Established pipeline for competitive apprenticeships and STEM courses



Professional, mature learning environment

In 2019, UTC Warrington had its first Ofsted inspection and was graded Good in all areas including: leadership, quality of teaching, personal development, behaviour and welfare, outcomes for students and 16 to 19 study programmes.

“I chose the UTC for the engineering options and STEM subjects. I’ve had a great time and really enjoyed being part of a close-knit community.”

**Ben Danby, Year 13
Graduate, Class of 2020**

“If you’re thinking of joining the UTC in Year 9 you should go for it. Everyone is lovely and it’s given me a whole range of different experiences. My old school told me not to move, but I decided to move and I am so glad because it is a much better choice for me.”

**Nikola Nakrewicz, Year 11
Graduate, Class of 2020**

FACILITIES

Based in the heart of Warrington, our £10 million iconic building stands out on the skyline. Rising six stories high, each floor is filled with state-of-the-art equipment, reflecting a £1m investment in creating an innovative and exciting environment for students to learn.

- Industry-standard specialist engineering equipment
- Materials' testing workshop
- Mechanical & manufacturing engineering workshop
- Hydraulics & pneumatics workshop
- Electronics workshop
- High-spec prototyping facilities with laser cutting and 3D printers
- Computer Numerically Controlled (CNC) machine suite
- Computer Aided Design (CAD) suites
- £540,000 investment in state-of-the-art ICT resources throughout
- Latest interactive systems and programming software
- VEX Robotics equipment
- Fujitsu digital hub
- New Cyber hub
- Five high-spec science laboratories
- Dedicated Sixth Form area on the fourth floor
- American diner themed restaurant, Power Station coffee shop and grab-and-go deli

There is wheelchair accessibility across the site, including wide doorways and a lift to all floors.

Take our virtual tour at www.utcw.co.uk/location to have a look around our fantastic building and facilities.



“The engagement we’ve had from employers whilst at the UTC has been amazing. Normally at school you have one trip a year. At the UTC we’ve been visited by employers on a weekly basis, as well as visiting employers and working on projects off campus.”



Ole Fletcher, Year 13 Graduate, Class of 2020

LINKS WITH EMPLOYERS

Our employer partners are the driving force behind UTC Warrington.

We are partnered with over 60 top employers, both local and national, including Atkins, Balfour Beatty, Cavendish Nuclear, Fujitsu, Jacobs Engineering Group, Sellafeld Ltd and Stanley Engineered Fastenings.


Students are exposed to the world of work through a variety of employer engagement activities:

-  Trips and visits
-  Employer-led projects
-  Business mentoring days when groups of employers visit the UTC
-  Masterclasses and workshops
-  Briefings on apprenticeship opportunities
-  Work placements

Employer partners work alongside teachers to set students **real life projects**. Technical projects are designed to deepen and enrich learning from across the curriculum whilst building crucial professional skills and characteristics.



In 2019, there were 92 different employer opportunities for students across all year groups, including mentoring, lectures and site visits. Every 1 in 2 days a local or national business was actively working with our students.



“NSAN are delighted to be working with UTC Warrington and supporting our local members to access the fantastic facilities the UTC has to offer. Apprenticeships are critical to meeting the future skills needs of the nuclear industry, and it’s great to see the regular opportunities UTC students are provided with to work with local nuclear companies to develop their knowledge and skills.”

Nicola Merriman, Operations Manager at National Skills Academy Nuclear (NSAN)

UTC Warrington is about to become a flagship training centre for NSAN

ATKINS

Balfour Beatty



FUJITSU

JACOBS



STANLEY
Engineered Fastening



LINKS WITH MANCHESTER METROPOLITAN UNIVERSITY

We are extremely proud to work with our key sponsor, Manchester Metropolitan University (MMU).

The UTC enjoys close support from the University, including representation on the UTC’s governing body. We benefit from the technical knowledge of the academic experts at the MMU School of Science & Engineering, who co-deliver some parts of the Engineering curriculum at the Manchester city centre campuses. UTC students have access to the scientific and engineering facilities at the University including the 3D printing studio and the automotive centre. Importantly, the University is able to support our students with insights into higher education and how to access high quality higher education provision.

DESTINATIONS, DESTINATIONS, DESTINATIONS

The culture of the UTC is all about destinations – we focus on where students are going, not just on grades.

100% of our Year 11 leavers have a positive destination in education, employment or training. The large majority choose to stay on at the UTC.

38% of UTC leavers secured high status higher or degree apprenticeships in STEM related areas in 2019 compared to the national average of just 5%.

UNIVERSITY DESTINATIONS:

- ⚙️ Aeronautical Engineering at University of Southampton
- ⚙️ Aircraft Engineering at University of Salford
- ⚙️ Chemical Engineering at University of Chester
- ⚙️ Civil Engineering at University of Exeter
- ⚙️ Computing at Lancaster University
- ⚙️ Computer Science at University of Edinburgh
- ⚙️ Cyber Security at University of Salford
- ⚙️ Maths at University of Manchester
- ⚙️ Mechanical Engineering at Manchester Metropolitan University

ADVANCED, HIGHER AND DEGREE APPRENTICESHIPS WITH:

- ⚙️ BAE Systems
- ⚙️ BMW
- ⚙️ Boeing
- ⚙️ Cavendish Nuclear
- ⚙️ Daresbury Labs
- ⚙️ Nuvia
- ⚙️ Pharmaceuticals company AAH
- ⚙️ Royal Navy
- ⚙️ Sellafield Ltd
- ⚙️ Solus
- ⚙️ Science & Technology Facilities Council
- ⚙️ Stanley Engineered Fastenings
- ⚙️ Wood plc



OLE FLETCHER

Year 13 Engineering Specialism
D* D* D

Destination: Aircraft Maintenance
Apprenticeship at Boeing



BEN DANBY

Year 13 Digital Specialism
A* A* A

Destination: Computer Science at
University of Edinburgh



TEAGAN FEERICK

Year 13 Construction Specialism
D* D* D*

Destination: Civil Engineering at
University of Exeter



ADAM BELLIS

Year 13 Digital Specialism
D M M

Destination: Cyber Security at
University of Salford



NIKOLA NAKREWICZ

Year 11 Engineering Specialism
GCSEs with Engineering Design and
Manufacture

Destination: UTC Warrington Sixth Form











 **LEARN MORE AT [UTCW.CO.UK/DESTINATIONS](https://www.utcw.co.uk/destinations)**



STUDENT EXPERIENCE

Through our enrichment programme, all students have the chance to develop themselves both personally and professionally. Our activities, which form an integral part of the UTC experience, demand leadership, initiative and resilience. They teach our students how to work in a team and approach any challenge with self-confidence.

Each year we review the programme to ensure that it offers a selection of options our current student base will enjoy as well as gain from. Sample activities include:

-  Duke of Edinburgh Award
-  Combined Cadet Force (CCF)
-  Sports Coaching
-  Royal Navy Engineering Challenge
-  Green Kart Racing
-  Programming and Coding
-  Young Enterprise
-  The Baker Technical Award
-  STEM Ambassadors
-  Reading and Book Club
-  Boxing
-  Table Tennis
-  Engineering Skills

Our enrichment programme is built round the nationally accredited PiXL Edge skills framework covering Leadership, Organisation, Communication, Initiative and Resilience.

STEM AMBASSADORS

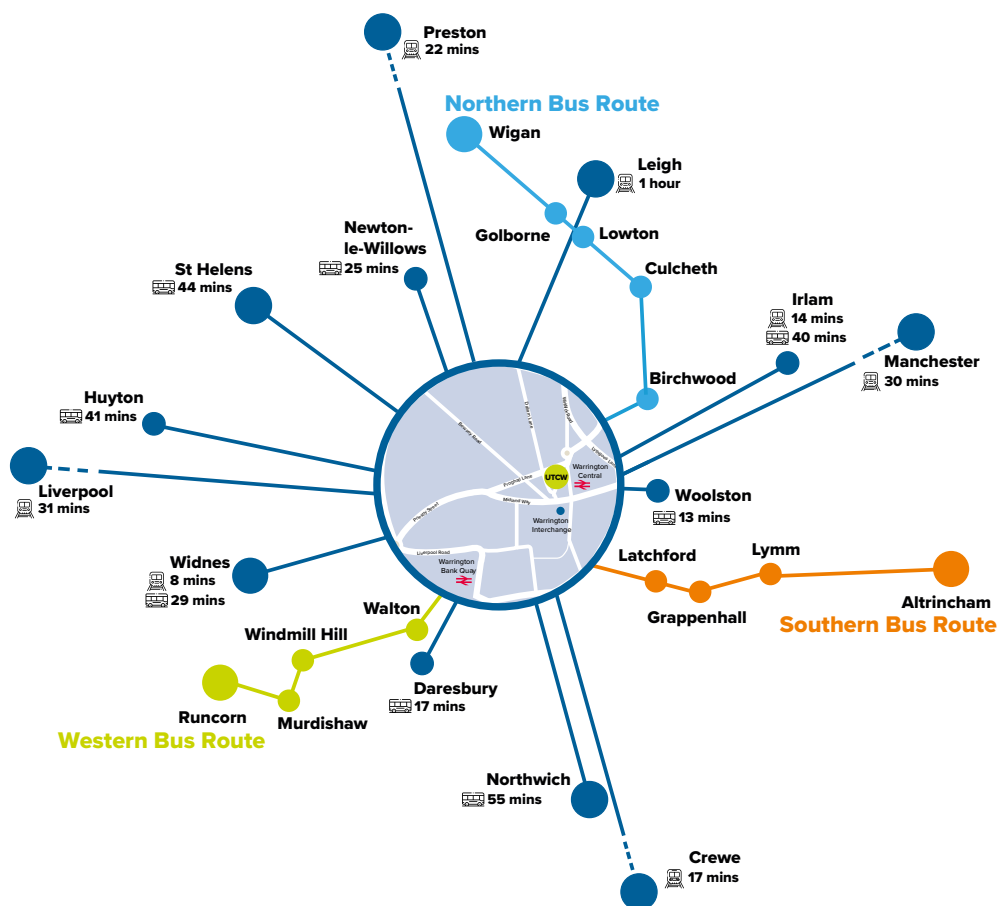
Over the course of the year, there are many different opportunities for students to participate in STEM Ambassador activities including volunteering at Open Events, getting involved with the Student Council and working with local primary schools delivering leadership events.

COMBINED CADET FORCE

Being a cadet is not just about military themed activities; it helps break down barriers, grow friendships and develop those teamwork and leadership traits that employers are actively looking for. Working with the 75 Engineers local army reserve unit puts our cadets at a competitive advantage against others in the market for apprenticeship and university places, as well as giving a wide exposure to STEM opportunities.



TRANSPORT LINKS



UTC Warrington forms part of the £190m Stadium Quarter development connecting 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. Warrington Bank Quay is on the West Coast Mainline and is ten minutes' walk away. As a result, we have students from all over the region not just local to Warrington.



THE **BEST** PLACE TO STUDY KEY STAGE 4 STEM SUBJECTS

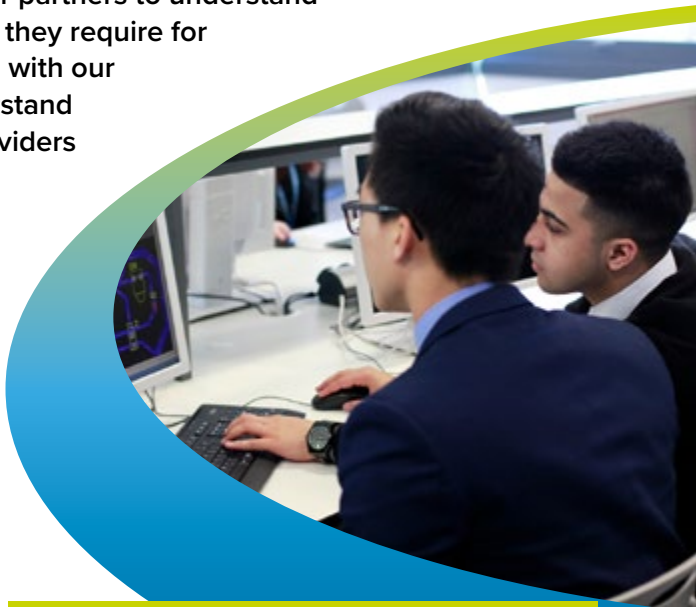
Studying in Year 10 and Year 11 at UTC Warrington is different from a traditional secondary school. Learning is related to the world of work so that students can better understand the relevance of what they are learning.

CORE CURRICULUM



We work with our employer partners to understand what knowledge and skills they require for their future workforce, and with our university partner to understand what higher education providers are looking for. This helps to determine our choice of academic, technical and professional qualifications so that we can provide our students with the best possible opportunities.

At Key Stage 4 our students study a combination of core GCSE subjects alongside optional GCSE and technical qualifications for specialist pathways in **Construction**, **Digital**, **Engineering** and **Healthcare**. These complimentary pathways equip students for further study, apprenticeships and employment in the areas they are interested in.

The core curriculum is supported by a wide-ranging personal development programme and extensive work with employers.



Our academic and technical curriculum is supported by Spiritual, Moral, Social and Cultural (SMSC) development and Physical Education (PE).

-  **SMSC:** 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. Activities include: football, rugby, fitness, badminton, handball, netball, climbing, leadership.

KEY STAGE 4 CURRICULUM

8 OR MORE GCSEs OR EQUIVALENT
LEVEL 2 TECHNICAL QUALIFICATIONS

CORE CURRICULUM

GCSE Maths, English Language, English Literature
GCSE Science (Combined) equivalent to 2 GCSEs **or**
GCSE Separate Sciences (Triple Award) equivalent to 3 GCSEs



SPECIALISMS

Choose from 1 of 4 exciting pathways to add to your core subjects
Discuss options with us to tailor the best combination for each individual student



CONSTRUCTION

- ⚙️ BTEC first in Construction & Built Environment
- ⚙️ GCSE Geography
- ⚙️ GCSE Art & Design / Architecture



DIGITAL

- ⚙️ GCSE Computer Science
- ⚙️ GCSE Creative iMedia



ENGINEERING

- ⚙️ BTEC Engineering
- ⚙️ GCSE Geography



HEALTH

- ⚙️ BTEC Health and Social Care
- ⚙️ GCSE Triple Science
- ⚙️ GCSE Sport Studies



ENRICHMENT PROGRAMME

A wide-ranging personal development programme with activities outside the classroom to help students develop more broadly.



EMPLOYABILITY PROGRAMME

An outstanding careers and professional development programme offering talks, visits, masterclasses, mentoring, work placements, project-based learning and future employment opportunities.



CONSTRUCTION

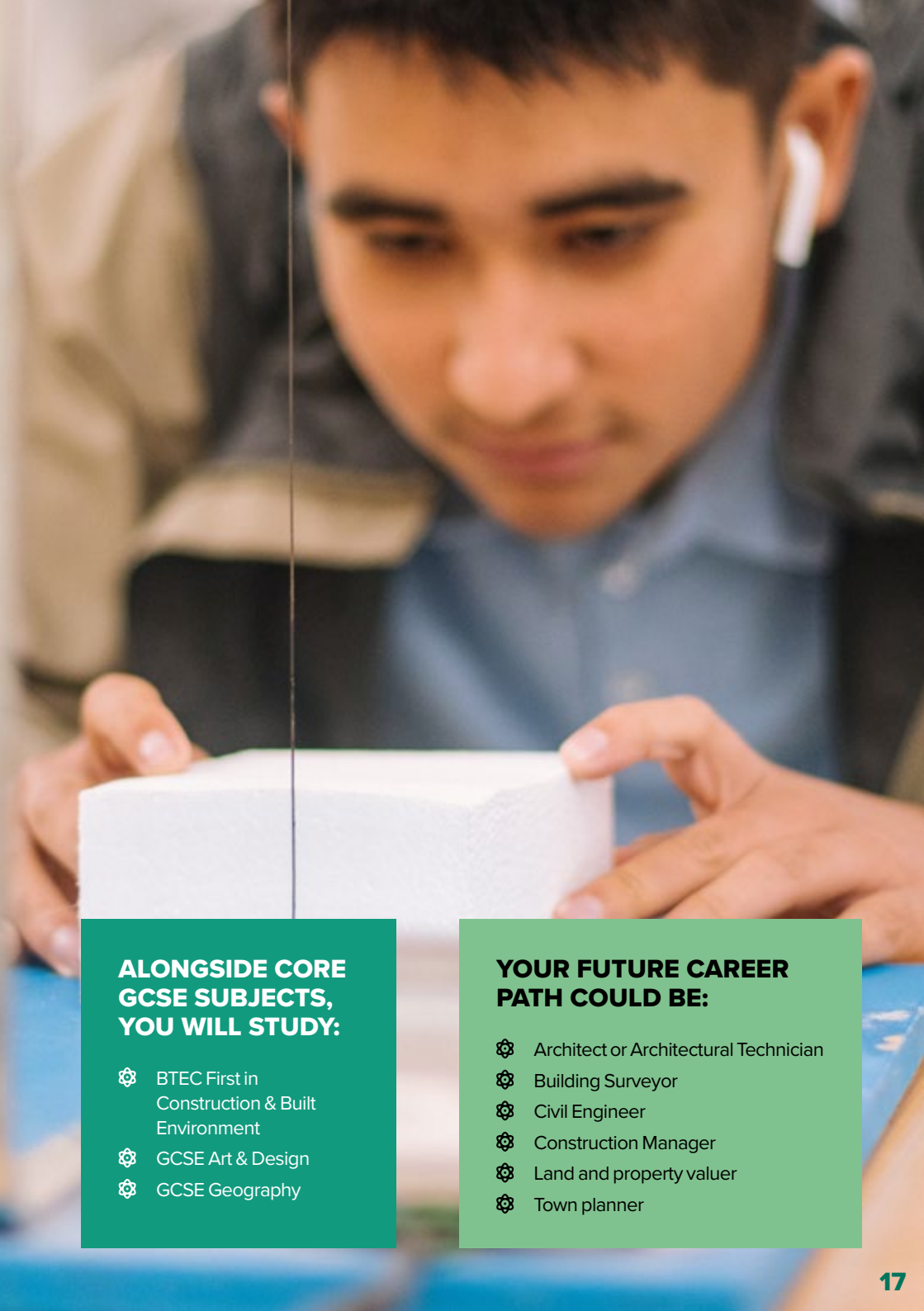
Do you like making things? Are you interested in how buildings work and what they look like? Do you want to contribute to saving energy and making a greener world? You could enjoy a career in construction and civil engineering.

Our construction specialism focuses on the built environment – which includes designing, planning, surveying and creating buildings and infrastructure like roads, dams and bridges.

At the UTC, you will study a BTEC First in Construction & Built Environment which will prepare you for virtually any career in construction and civil engineering. It will introduce you to key skills such as construction drawing techniques and joinery, as well as topics like sustainability to save energy and resources.

Combining this with GCSE Geography will enable you to think more broadly about how construction projects relate to places in which they are located and environmental issues. A GCSE Art and Design will enable you to develop your creativity and eye for design, equipping you for potential pathways in architecture and planning.

You will work with sector employers. For example, Lane End, a specialist company that sources land and delivers high quality developments across the North West invited our Year 10 Construction students to visit Academy Street in Warrington town centre to see the real life work of site managers, bricklayers, architects and engineers of the future.



ALONGSIDE CORE GCSE SUBJECTS, YOU WILL STUDY:

- ⚙️ BTEC First in Construction & Built Environment
- ⚙️ GCSE Art & Design
- ⚙️ GCSE Geography

YOUR FUTURE CAREER PATH COULD BE:

- ⚙️ Architect or Architectural Technician
- ⚙️ Building Surveyor
- ⚙️ Civil Engineer
- ⚙️ Construction Manager
- ⚙️ Land and property valuer
- ⚙️ Town planner

DIGITAL



Do you enjoy using technology to make and create? Have you already started programming at school or at home? Perhaps you've been taking a computer apart and rebuilding it, or programming robots, or making your own app.

Our digital specialism will give you a good understanding of the principles of programming and computer systems and let you explore where your interests lie – in networks, data, cyber security, software development or creative design.




These are all skills that employers will need in every walk of life, so you could be working for the health service, a car manufacturer or an environmental agency, not just a tech company.

In fact, digital jobs are growing faster than any other.

At the UTC you will study GCSE Computer Science to give you a grounding in the fundamentals of programming and how computers work, moving on to specialist areas like cyber security, 'big data' and networks. With the Creative iMedia course you will also get a chance to look at creative areas like graphic design, websites and animations.

You will work with top employers. For example, Fujitsu is part of the national UTC Cyber Group and is dedicated to engaging with UTC students through site visits, work placements and practical masterclasses. Our students visited Fujitsu to hear hearing from Fujitsu apprentices and tour their digital threat centre.



ALONGSIDE CORE GCSE SUBJECTS, YOU WILL STUDY:

-  GCSE Computer Science
-  GCSE Creative iMedia

YOUR FUTURE CAREER PATH COULD BE:

-  AI Researcher
-  Animator
-  Cyber Security Analyst
-  Data Scientist
-  Games Designer
-  Network Architect
-  Software Developer



CALLUM PRESCOTT

Year 11 Digital Specialism
GCSEs with Business and IT
Destination: UTC Warrington Sixth
Form

“ I enjoyed that the UTC offered more subjects to what I’d been able to do at an average school. I really liked being able to specialise in IT. My favourite project was coding Lego robot cars out of robo-technics.”

**CALLUM PRESCOTT, YEAR 11
GRADUATE, CLASS OF 2020**



ENGINEERING

Do you like to get to the bottom of how things work, solve problems and make things? You could be an engineer!

Engineering is a combination of science and maths used to solve real-life problems. As an engineer you could help to design and construct visionary buildings, work on aircraft, develop the latest green technology to save the planet, or invent new medical devices to improve healthcare.

Our Engineering specialism will provide you with the knowledge and skills to work across this diverse and growing sector. You will learn Computer Aided Design (CAD) and work in state-of-the-art facilities including high-spec workshops for materials' testing, electronics, hydraulics and pneumatics, mechanical and manufacturing engineering. To give you a broader understanding of how engineering can make a difference to the environment, you will also study GCSE Geography.

Part of your learning will involve real-life challenges set by engineering and manufacturing employers that will stretch you and build your industry skills, like the Royal Navy Engineering Challenge which our students take part in each year.



ALONGSIDE CORE GCSE SUBJECTS, YOU WILL STUDY:

- ⚙️ BTEC Engineering
- ⚙️ GCSE Geography

“ The UTC gave me an insight into Engineering that I previously never had and the variety of work placements, trips and networking with employers put me on the right path to securing my role as Project Controls Apprentice with Wood PLC.”

**WILL ARNOLD, YEAR 11
GRADUATE, CLASS OF 2019**

YOUR FUTURE CAREER PATH COULD BE:

- ⚙️ Automotive / Aerospace Engineer
- ⚙️ Broadcast Engineer
- ⚙️ Civil Engineering Technician
- ⚙️ Heating and Ventilation Engineer
- ⚙️ Rehabilitation Engineer
- ⚙️ Town planner

HEALTHCARE

Are you curious about how the human body works? Do you like to help people? Do you want to work in a caring profession and make a difference?



Healthcare at UTC Warrington will provide you with the knowledge and skills to work across numerous vocational areas of the healthcare sector. You will look at the application of Health and Social Care working with employers and gain a good grounding in science and technical skills.

Our Health and Social Care Pathway will develop key skills that you will need for a career in healthcare, such as interpreting data to assess an individual's health.

You will develop effective ways of working, such as designing a plan to improve an individual's health and wellbeing. You will also develop essential knowledge about key areas such as human growth and development, health and social care services, and factors affecting people's health and wellbeing.





ALONGSIDE CORE GCSE SUBJECTS, YOU WILL STUDY:

- ⚙ BTEC Health and Social Care
- ⚙ GCSE Triple Science
- ⚙ GCSE Sport Studies

YOUR FUTURE CAREER PATH COULD BE:

- ⚙ Adult Nurse
- ⚙ Dentist
- ⚙ Forensic Psychologist
- ⚙ Health Psychologist
- ⚙ Occupational Therapist
- ⚙ Social Worker
- ⚙ Therapeutic Radiographer



**100%
POSITIVE
DESTINATIONS
FOR Y11**

PATHWAYS

After GCSEs, our Year 11 students have the opportunity to continue their studies at the UTC Sixth Form, following specialist STEM pathways in Construction, Digital, Engineering and Healthcare.

In Year 11, our dedicated careers advisers work with students to ensure they make the most appropriate choices for their post-16 pathway. The UTC places great emphasis on professional Careers Education, Information, Advice and Guidance (CEIAG) for all students. This is combined with work experience in both Year 10 and Year 11, extensive opportunities to meet with employers and work on industry projects, to assist students in making informed decisions. As a result, we have a track record of 100% of students progressing successfully onto further studies, apprenticeships and employment.



“ UTC Warrington played a key part in helping me to secure my apprenticeship. During my two years at the UTC, I was able to develop key skills through theoretical and practical learning and the college also supported me through a two year apprenticeship at Rock Oil; this provided me with core industry knowledge and also allowed for further professional development which has been essential in my role at Cavendish Nuclear.”

GEORGE GARNER, NOW PROJECT CONTROLS APPRENTICE AT CAVENDISH NUCLEAR



UTC WARRINGTON KS4

Years 10 & 11 GCSEs & Technical Qualifications
Core subjects + STEM specialist pathways

SCHOOL OR COLLEGE SIXTH FORMS KS5

Years 12 & 13

UTC WARRINGTON KS5

Years 12 & 13
A Levels &
Technical
Qualifications in
STEM specialist
pathways

ADVANCED APPRENTICESHIPS

Entry with Level 2
Qualifications

COLLEGE

Higher National
Certificates &
Diplomas
Foundation
Degrees

UNIVERSITY

Foundation degree
Undergraduate
degree
Masters degree

HIGHER & DEGREE APPRENTICESHIPS

Entry with A Levels
and/or Technical
Qualifications

**Well paid job in Construction, Digital, Engineering
or Health or in a STEM-related sector**

APPLY NOW

UTC Warrington admits students into Year 10 and Year 12. The deadline for applications is 12 February 2021.

UTC Warrington is open to all students from Warrington and the geographical corridor from Manchester to Liverpool.



Offer letters will be issued to applicants by 1 March 2021 for entry in September 2021. In the event of over-subscription, every attempt will be made to ensure that applicants from across the region have a fair chance of gaining a place, with a waiting list for all applications.

Late applications will be accepted, but places will be subject to availability. The full admissions policy is available on our website at <https://utcw.co.uk/admissions>

If you are looking to apply, please complete an application form online on the school website or complete an application and send to Warrington Council admissions team:

**Warrington Borough Council
East Annexe,
Town Hall,
Sankey Street,
Warrington,
WA1 1UH**

If you have any queries, please contact the admissions team at the UTC on **01925 737067** or email: info@utcw.co.uk

APPLICATIONS DURING THE SCHOOL YEAR

For in-year entry during the school year, parents should apply directly to the UTC. Please contact info@utcw.co.uk

**OPEN
HOUSE!**



OPEN EVENTS AND TASTER SESSIONS

We offer a range of taster events and talks for both parents/carers and potential students during the 2020/21 academic year.

Please come along to meet with our Principal, Lee Barber, and the Senior Leadership Team, and find out more about UTC Warrington.

If you are unable to attend an open event, please contact us to arrange a visit on 01925 737067 or email: info@utcw.co.uk

Full details of these events are available on our website www.utcw.co.uk



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