



A University Technical College
for 14-18 year olds

Create
Your
Tomorrow
Today

Prospectus

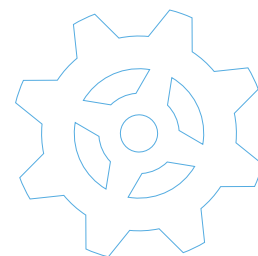
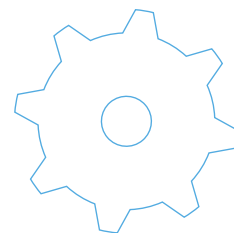


University
Technical
Colleges®



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Welcome

Message from the Principal & Chairman

Welcome to our prospectus for Scarborough UTC, where you have taken the first steps to create your tomorrow, today. It can be difficult to decide at which school and what courses to study, but our aim is to provide you with the tools to enable you to meet your aspirations as you prepare for making your subject choices.

We are a college for 14-18 year olds sponsored by the University of Hull, giving students a fantastic opportunity to gain practical experience in engineering and computer science whilst studying for Technical Qualifications, GCSEs and A-Levels. Working in partnership with employers allows us to deliver an exciting curriculum with students benefitting from a wealth of commercial knowledge and the chance to experience work and everyday life within a business context.

Studying at Scarborough UTC will open up a world of exciting careers in areas such as cyber technology, robotics and engineering.

Our students will become the new generation of engineers, scientists, designers and technicians, contributing towards Scarborough's continuing transformation into a centre of excellence for innovation.

So if you want to be part of a new wave of learning and benefit from the latest technology, Scarborough UTC can offer you a whole new experience and we look forward to welcoming you in September.

Tim Englefield, Principal.

Peter Wilkinson, Chairman of the Board of Trustees.



What is a UTC?

A UTC is a school designed for ambitious young people, aged 14-18, who have aspirations to become leading future innovators. It is funded by the government, is free to attend and is sponsored by a number of successful companies along with the University of Hull.

Our UTC will offer technically orientated courses of study (60% academic/40% practical), combining National Curriculum requirements such as GCSEs and A-Levels with technical and vocational elements. It will also teach business skills and the use of ICT.

This approach offers clear routes into higher education or further learning in work. The study day is longer than in a typical school and is more in line with a commercial working day.

Currently there are 48 UTCs open across the country, each specialising in a technical subject to meet the needs of local and national industries.



www.utccolleges.org

Our Vision & Mission

The strength of Scarborough UTC is its close working relationship with employers that is forged through the workplace, higher education and the Baker Dearing Trust.

By exposing our brightest and most determined young people to the full scale of engineering and design disciplines and opportunities, we will provide a unique learning experience and strongly reflect the commitment of the employers and the University of Hull to ensure the best educational offering in North Yorkshire.

Scarborough UTC is there every step of the way through the stages of the student's education. We will help to lay the foundations in engineering, design and control whilst also guiding towards a clear onward learning path through further education, university or the workplace.

**We believe that if
you don't grow it,
you ENGINEER it.**



£455.6^{Billion}

is contributed to the UK's GDP
by the engineering sector

by 2022 a
further

1.82^{million}

people with engineering
skills will be required

UK engineering
businesses
employ

5.4^{million}
people

average graduate
salary for engineering
and technology

£27^{thousand}

Year 10 and 11 Curriculum

Our exciting curriculum is designed to provide the necessary academic and vocational qualifications to begin your career in Science, Technology, Engineering or Maths.

Core Subjects	GCSE English Language GCSE English Literature GCSE Mathematics GCSE Biology GCSE Chemistry GCSE Physics GCSE Computer Science GCSE Geography
Specialist Subjects	Study three Technical Award qualifications that are each equivalent to one GCSE in Engineering Design, Engineering Manufacture and Systems Control in Engineering
GCSE Options	GCSE Art & Design (Graphic Communication) GCSE in a Modern Foreign Language (French)
Additional Study	Personal, Social & Health Education Enrichment options including Arts, Sport and Coding
All qualifications are OCR accredited	

Our student engineers and scientists will learn through activities which develop:

- Curiosity and imagination
- Creativity and ingenuity
- Problem-solving and resilience
- Self-management and organisation
- Teamwork and collaboration
- Technological skills and confidence
- Enquiry and analysis

Post 16 Curriculum

The UTC offers two pathway options for post 16 study:

Pathway One

Specialist Subjects	Technical Extended Diploma in Engineering* (equivalent to 3 A-Levels) Choice of specialist pathway from: <ul style="list-style-type: none"> • Mechanical, Electrical and Electronic Systems Design and Engineering • Engineering Automation Control and Manufacturing Processes
A-Level Subject	Maths
Additional Qualification	Level 3 Extended Project

Pathway Two

Specialist Subjects	Technical Diploma in Engineering (equivalent to 2 A-Levels) Choice of specialist pathway from: <ul style="list-style-type: none"> • Electrical and Electronic Engineering • Mechanical Engineering and Design • Automation, Systems and Control • Manufacturing
A-Level Subject	Maths
A-Level Options *	Applied Science Biology Chemistry Computer Science Graphic/Product Design Physics
Additional Qualification	Level 3 Extended Project
All qualifications are OCR accredited	* Availability of options will be subject to interest

Pathways and Progression

Scarborough UTC will focus on academic achievements as well as ensuring that you have developed the skills and knowledge to give you a head start in a business context.

Post 16 Studies

With the right grades, students will be able to progress to our sixth-form to study up to the equivalent of 4.5 A-Levels at Level 3. Individual programmes will be designed for those not yet ready to study a full Level 3 curriculum. Every effort will be made to ensure students can continue into the sixth-form.

Higher Education

If you wish to continue to Higher Education, you will gain an advantage from learning in an environment already supported by, and with regular access to, university opportunities and experiences through Scarborough UTC.

Employment / Apprenticeships

A number of our employer partners have long-standing backgrounds in delivering learning experiences such as placements, outreach programmes and apprenticeships. They will bring their extensive experience to the UTC by sharing best-practice, ideas and initiatives to improve and benefit you.

These skills and expertise, coupled with the support and guidance of the University, will ensure you receive the best possible opportunities and gain up-to-date experiences.

"I like the flexibility of learning that Scarborough UTC gives at a level suitable for me. The mature and business like environment will help me get ready for a career in aerospace."

Hanna Hinton,
Student at Scarborough UTC

Partners

Our employer partners are fully committed to Scarborough UTC through a common aim to provide ambitious young people, like you, with a clear goal in life and to reach your potential, whilst also generating employees for the future.

Each organisation has developed projects specific to their industry which will provide you with the skills and knowledge to progress.

Projects are aligned to the curriculum and have a structured approach, encompassing various elements of working from project management, to design and engineering. This will support and enhance the quality of teaching and learning.

Our UTC captures the combined knowledge of local, national and internationally well-known brands, affording you access to a level of unprecedented expertise.



Projects with our employers

A unique and important element of our UTC is your involvement in major projects. You will work closely with the University of Hull and employers to identify, explore, evaluate and justify the best solutions to real-life engineering problems. On completion, teams will present their project outcome to an informed audience, including the employer.

These projects will enrich your learning whilst building crucial professional skills and characteristics. In Year 12 you will contribute to a number of major projects, one of which will be developed further in Year 13 and entered for the Extended Project qualification, equal to an AS Level up to 70 UCAS points.

“Studying at Scarborough UTC gives me extra opportunities because of the support we receive from our many sponsors”

Arthur Aston,
Student at Scarborough UTC

GCHQ - Students have worked alongside GCHQ at the UTC to complete a cybersecurity project.

Severfield - Manufacturing pathway students benefitted from taking part in a structural engineering challenge, set and judged by representatives of Severfield through the presentation of solutions by the students.

North Yorkshire Moors Railway - Challenge set for Electrical pathway students, focussing on the design of a system that could be used to make weighing a complete engine easier for the NYMR maintenance team. All students at the UTC will get the opportunity to practise their use of lathes and milling machines to reverse engineer parts no longer available for the engines using our 3D scanning and printing facilities.

“Working with our partner organisations is an irreplaceable experience for our learners giving them the unique opportunity to work alongside professionals in the application of skills used to solve real world problems. A truly exciting prospect.” - Natalie Griffiths, Director of Engineering

Scarborough UTC can lead to:

Telecommunications & Mobile Communications engineering

Software Engineering & Applications Design

Cyber Technology, Control Systems & Robotics Engineering

Construction & Civil Engineering

Mechanical Engineering

Chemical Engineering

Medical Engineering

Food Engineering

Mechatronics

Data Science

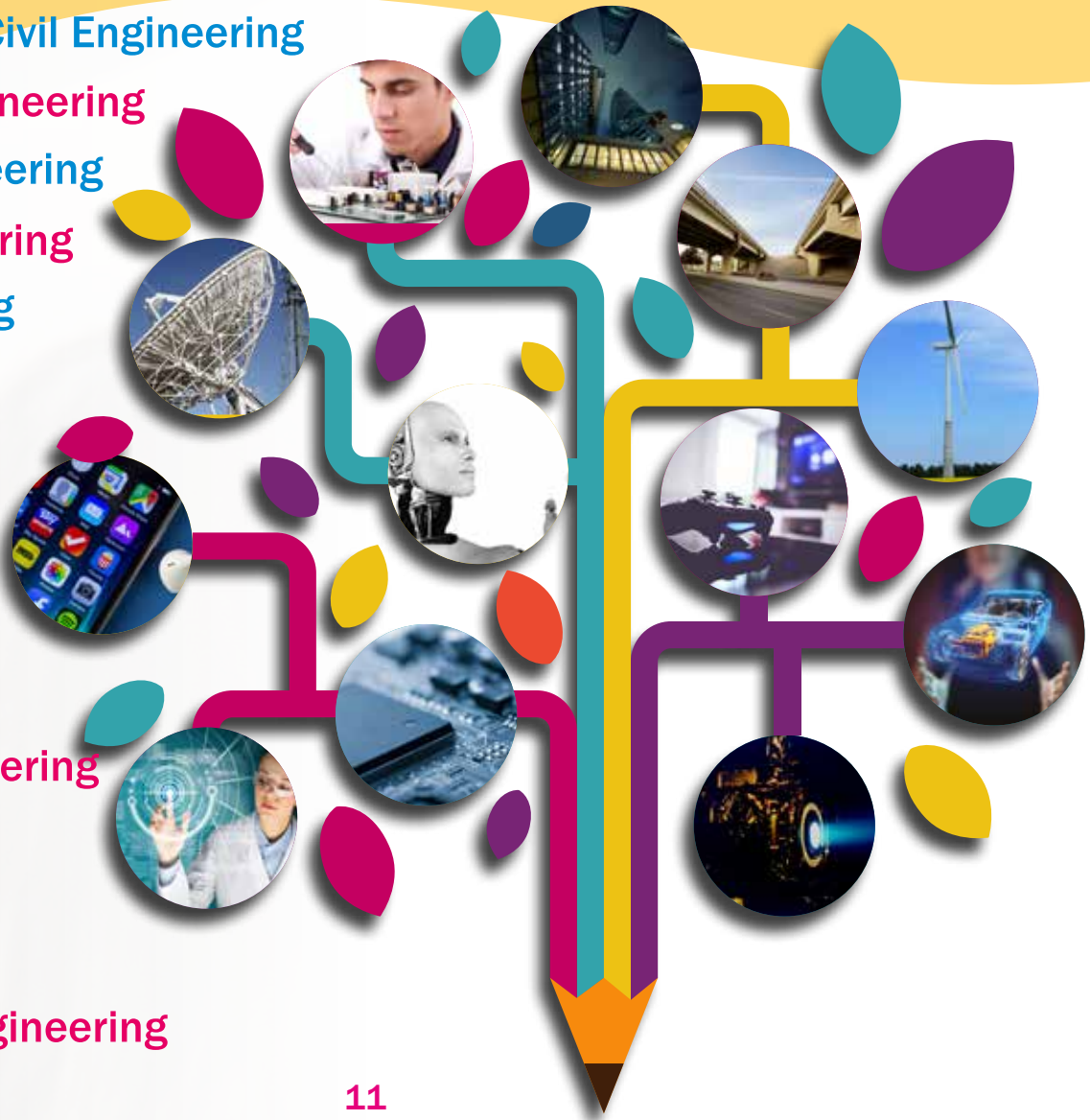
Computer Engineering

Environmental Engineering

Electronics & Electrical Engineering

Architecture & Architectural Engineering

Automotive & Aeronautical Engineering





Join Scarborough UTC

If you are currently in Year 9 or Year 11 you are able to apply for a place at the UTC.

Scarborough UTC is designed to be accessible to students residing in the Borough of Scarborough, the District of Ryedale and the northerly edge of the East Riding of Yorkshire. Subsidised school transport will be available to allow all learners to access the UTC.

The UTC offers regular open events to come and look at the fantastic facilities on offer and speak to members of the UTC team and current students. Please visit our website or follow us on Facebook to keep up to date on our events and new developments.

How to Apply

Please complete an online application form on the Scarborough UTC website:

www.scarboroughutc.co.uk

Get in Touch and Find Out More

Phone: 01723 821 621

Email: enquiries@scarboroughutc.co.uk

Scarborough UTC
1 Ashburn Road
Scarborough
YO11 2JW

Learn in a State of the Art Environment



Interested?

If you would like to know more about Scarborough UTC, please fill in your details over the page to register your interest. One of our members of staff will contact you to answer any questions you may have.

Alternatively you can contact us at:
Email - enquiries@scarboroughutc.co.uk
Phone - 01723 821621

We look forward to hearing from you.



Your Details

Your name: _____

Students name: _____

Date of birth: _____

Address: _____

Telephone: _____

Your email: _____

Please complete the information, tear out and send to:

Scarborough UTC
1 Ashburn Road,
Scarborough
YO11 2JW



scarboroughutc.co.uk

enquiries@scarboroughutc.co.uk



SCARBOROUGH
**UTC**

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Colleges®**