INSPIRING THE NEXT GENERATION OF ENGINEERS

The college that is providing a stepping stone into lifelong, successful careers.
A college for 14–19 year olds who want to pursue a career in a science, technical, engineering or mathematical field.

My goal is to ensure that you are an individual, and our collective success is at the heart of every action and decision made. We will guide you as you lay the foundations for what I anticipate will be the start of an exciting educational experience that leads to outstanding achievements and great destinations!

POLLY LOVELL
Principal, UTC Plymouth
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University Technical Colleges (UTCs) are government-funded schools that offer a great deal more than traditional schools.

They present a fresh and exciting specialist educational environment for young people aged 14–19, with an exceptional chance to focus on science, technology, engineering and maths subjects, integrated with core studies.

The UK needs advanced technical skills at all levels if we are to prosper in the 21st century. UTCs integrate technical, practical and academic learning, creating an environment where students can thrive and develop the abilities that industries demand.

In 2014, there were only 17 UTCs, whereas in 2018 there will be over 55 open. UTCs are growing quickly, due to the government recognising the vital role they have in creating skilled, work-ready young people. Every UTC is backed by a university and many major local employers.

“University Technical Colleges inspire and equip young people with the skills they need to build the careers they want.”

LORD BAKER, CHAIRMAN, BAKER DEARING EDUCATIONAL TRUST
To maintain the economic and social contributions of engineering, we must address the shortfall of engineers.

£486 billion is the estimated contribution from the engineering sector. That’s around 26% of the total UK GDP.

27,000 is the average starting salary of Engineering graduates, well above the average graduate starting salary of £22,000.

68% of engineering and technology graduates are in full-time employment six months after graduation, compared with all graduates (58%).

We need to double the number of graduates and apprentices entering the engineering industry.

20,000 annual shortfall of engineering graduates.

Only 3% of engineering apprenticeships are taken up by women.

265,000 skilled entrants needed annually to meet UK demand for engineering.

84% of graduates are in full-time work after three years.

All figures: Engineering UK Report 2017
The first of its kind in the South West, UTC Plymouth specialises in science, technology, engineering and maths.

Housed in a new contemporary building, our science, technology and engineering facilities are unrivalled in the local area. By joining us you will be part of a mature learning and training environment which represents a place of employment in character, capability and ethics. In turn, we will create the industry’s workforce and the leaders of the future.

The curriculum is delivered through a combination of hands-on workshop experiences, classroom activities and industry-led challenges, with the aim of offering clear progression routes into employment, apprenticeships, higher education, or further learning in work. We work with Plymouth University and local employers such as the Royal Navy and Babcock, to ensure that our curriculum develops our students with the experience and knowledge needed to meet the requirements of 21st century employers. With small class sizes and good relationships between staff and students, we are able to develop a better understanding of our students’ needs and are therefore able to produce the best possible outcomes.
Our vision of UTC Plymouth is to create a world-class centre of educational excellence for Plymouth in science and engineering, where young people are offered outstanding learning opportunities in industry, innovation and enterprise.
As a Key Stage 4 student you will be able to follow a personalised curriculum through four different pathways: Engineering, Design, Technical and Environmental.

Similar to a traditional school, we teach all core subjects such as maths, English, science, languages and PE. However, unlike a traditional secondary school, these are combined with an increased amount of practical education. You will be taught by teachers that have a wealth of experience in the sector and even some that started out in the industry. You will have the opportunity to develop your skills on industry-standard equipment and therefore you will have more advanced, relevant skills compared to other students of a similar age.

All of these pathways will lead you to nationally recognised qualifications such as GCSEs, BTECs and industry-standard qualifications. Combined with employer projects and extracurricular activities, you will develop a range of skills that will allow you to become a highly employable person.

You can see the pathways and information regarding them on the next page.

“
Our diverse curriculum, which is delivered by experts in their field, has led to students finishing their GCSEs as confident and skilled adults.
”

ELLE EDWARDS
HEAD OF KEY STAGE 4 & LITERACY/ENGLISH LEAD
A STEM CURRICULUM FOR THE FUTURE

ENGINEERING
- GCSE Mathematics
- GCSE English Language
- GCSE Combined Science
- GCSE Computer Science
- GCSE Geography
- GCSE Engineering
- GCSE Business
- Technical Award STEM
- PSHE
- Physical Education

DESIGN
- GCSE Mathematics
- GCSE English Language
- GCSE Combined Science
- GCSE Computer Science
- GCSE Graphic Products
- GCSE Art and Design
- GCSE Media Studies
- PSHE
- Physical Education

TECHNICAL
- GCSE Mathematics
- GCSE English Language
- GCSE Combined Science
- BTEC Vehicle Technology
- EAL Level 2 Engineering
- ECDL
- BTEC Applied Mathematics
- Functional Skills English
- PSHE
- Physical Education

ENVIRONMENTAL
- GCSE Mathematics
- GCSE English Language
- GCSE Combined Science
- GCSE Computer Science
- GCSE Environmental Science
- GCSE Geography
- GCSE Geology
- GCSE Business
- Technical Award STEM
- PSHE
- Physical Education

LEADS TO...
Sixth Form, Further Education, Apprenticeships, Employment or Training

Want to know more about our KS4 curriculum? Call us on 01752 284250 to find out more.
As a Key Stage 5 student you will be able to follow a personalised curriculum through five different pathways: Engineering, Information Technology, Vehicle Technology, Environmental and Pre-apprenticeship.

Just like in Key Stage 4, all of these lead to nationally recognised qualifications such as BTECs and industry-standard qualifications – however, instead of GCSEs, you’ll be working towards Level 3 qualifications. We will also support your development of skills and competencies to equip you for the work place. At post-16, you will want to develop and hone in on your set of skills to provide you with the best chance of progression onto the career path of your choice. At UTC we offer the opportunity to do just this.

Pre-apprenticeship Pathway – This is aimed towards students who wish to re-take their English and Maths GCSEs. Therefore, this pathway focuses more on subject development, mixed with a good level of practical lessons and work experience.

"Our Sixth Form offers excellent opportunities for students of all abilities to further their studies and develop skills employers deem vital."

PETER BRAGG,
HEAD OF KEY STAGE 5 & ENGINEERING TEACHER
A STEM CURRICULUM FOR THE FUTURE

ENGINEERING
- BTEC Level 3 (3 A Level equivalents)
- Extended Diploma in Manufacturing Engineering

INFORMATION TECHNOLOGY
- BTEC Level 3 (3 A Level equivalents)
- Extended Diploma in Information Technology

VEHICLE TECHNOLOGY
- BTEC Level 3 (3 A Level equivalents)
- Extended Diploma in Vehicle Technology

ENVIRONMENTAL
- BTEC Level 3 (3 A Level equivalent)
- Extended Diploma in Environmental Sustainability

PRE-APPRENTICESHIP
- GCSE Mathematics
- GCSE English Language
- EAL Level 2 Award in Engineering Technology
- Work experience placement with one of our employer partners

LEADS TO...
Sixth Form, Further Education, Apprenticeships, Employment or Training
To give our students the best possible learning experience, we’ve invested heavily in the facilities we provide.

With valuable support from our employer partners, we can offer some of the most cutting-edge equipment used in the workplace. From 3D printers to band saws and pillar drills, each workshop and classroom is equipped with a variety of multi-use machinery, hand tools and equipment.

There is not a single day when one of our students isn’t using a piece of state-of-the-art equipment. This leads to them developing relatable industry skills that other colleges and schools are unable to offer.

For more images and information regarding our facilities and equipment, please visit our website!

UTCPLYMOUTH.ORG
We finished 2nd in the Junior Field Gun Competition in Portsmouth.
At UTC Plymouth we believe extracurricular activities form a vital part of your day-to-day learning experience.

We offer a variety of opportunities to build on existing abilities, develop new skills and extend other interests. The activities we offer to students are full of opportunities to learn and experience new things. For example, this year students who are part of our CCF group have earned sailing certificates, trained with firefighters, and visited naval ships — all whilst gaining qualifications and invaluable experience.

Activities and Clubs

- Combined Cadet Force (CCF)
- EES Project
- Royal Navy Challenge
- Field Gun Competition
- Games Club
- Women in STEM
- Kart Building
- STEM Club
- F1 in Schools

Trips

- Summer Overseas Trips
- Employer Visits
- HMS Bristol (Portsmouth)
- University Trips
- Educational Visits

Lieutenant Paul Youngman is UTC Plymouth’s Royal Navy Liaison Officer. You will have access to support from our specialist Royal Navy Team.
Our partners are absolutely key to the delivery of the college’s learning culture. From the very beginning, both employers and representatives from Plymouth University work very closely with UTC Plymouth.

They are members of the governing body, contributing their knowledge and insight and providing leadership in the structure of the curriculum.

In addition to providing learning materials, many of our employer sponsors can also offer real work experience placements, where you can gain a first-hand understanding of working in the manufacturing and engineering industries. The close interaction and sustained involvement of our highly regarded employer sponsors provides a unique curriculum tailored to equip you with the confidence, the academic knowledge and the practical and employability skills necessary to thrive in industry.

A key advantage of our excellent links with leading engineering companies, universities and businesses is that the students get opportunities which other schools cannot offer, such as:

- Working on real-life, ground-breaking research projects.
- Enjoying work placements and visits to external organisations.
- Hearing world-class speakers and master classes.
- Developing the niche skills required by local engineering companies to make you more employable.

Thanks to our close relationship with some of Plymouth’s largest organisations, students often go on to acquire apprenticeships and job roles with our partners. This is because they know that when they hire a UTC student they are receiving a skilled and experienced individual.
Inspiring girls to study and build careers using science, technology, engineering and maths has been a major goal for many organisations and the government over the past few years.

It is vital that we continue to build on this work and continue to encourage this type of career path amongst women, to have a better chance to meet the skills shortage currently affecting many companies across the UK.

**According to the Engineering UK Report 2017:**

- Only 13% of engineering jobs are taken up by women.
- Only 15% of engineering graduates are female.
- The UK has the lowest percentage of female engineering professionals in Europe.
- More women working in engineering would contribute an extra £2billion to the economy.

UTC Plymouth is proud of the number of girls that currently attend the college and we believe that in the coming years the ratio of females to males will continue to increase. We value our girls here at UTC Plymouth, as we know they will be valued by the STEM community in the future.

19% of our student cohort are girls. This is more than the national average of women in the engineering workforce. We are changing perceptions.

POLLY LOVELL, UTC PLYMOUTH PRINCIPAL
In our four years of being open here at UTC Plymouth, we’ve had many success stories – with students progressing onto employment, apprenticeships and university. Our leavers have joined some of the biggest employers in the South West and universities across the country.

Our leavers go on to a range of apprenticeships and university courses across the South West of England. Here are a few examples of recent leavers:

- Jake Bennet – Merchant Navy as a Trainee Engineer
- Cara Beveridge – BA (Hons) 3D Design at Plymouth University
- Oliver Pile & Alex Wilkinson – Apprenticeship at Wrigley
- Mohammed Mahmoud – BEng (Hons) Mechanical Engineering at Plymouth University

100% of our 2017 leavers went into an apprenticeship, employment or further education.

2017 LEAVERS’ DESTINATIONS:

- 39% Apprenticeships and Training
- 29% Further Education
- 11% Higher Education
- 21% Employment

- Matt Adam – Apprenticeship at BAE Systems
- Alex Luscombe – Engineer at Princess Yachts
- Kenan Baskott – BSc (Hons) Civil Engineering at Plymouth University
- Sophie Foster – BSc (Hons) Mechanical Engineering at Plymouth University
- Charlotte Hooper – Electrical Apprentice at Babcock
- Leta Crisp – Electrical Apprentice at Babcock

For more information, take a look at our alumni videos on YouTube.
Since my son joined UTC his confidence and belief in himself has improved within a short time. I was extremely impressed with the way my concern about him (teenage issues) was dealt with by the Principal Polly. She gave him the encouragement and belief in himself to try something new which helped enrich his experience.

He has a tutor who really listens to him as a person rather than feeling he is a name on a tick box for tasks to be completed. This tutor has built rapport and uses humour, which I feel makes learning more fun.

“\n\nI love his lessons, Mum!\n\n”

Other tutors have pointed out things he has done well and highlighted areas for improvement. All of the tutors are approachable and are supportive.

I love the way that the college and indeed all tutors reflect on things and really ‘take on board’ that every person is different and learns in different styles.

I admire the way Polly will walk around the UTC on a regular basis to see how things are going. This helps to give an understanding of what things are working well and to ‘nip in the bud’ any inappropriate behaviours from students.

If there is a strong positive leadership from the top I feel this cascades down making people feel valued and motivated, and it sustains them.

I have always felt a supportive and caring environment goes a long way to help a person become the best version of themselves.

I wish Plymouth UTC the continuing success it deserves.
Join at 14

If you are interested in studying at UTC Plymouth, please apply for a place as soon as possible. There are no fees to be a UTC student and no tests to join in year 10. The first round of admissions will close on October 31st, with places then allocated on March 1st. If the college is undersubscribed, late admissions received between November 1st and March 1st will be allocated from 1st April.

How to apply

There is a coordinated admission process in England, with exchange of information between Local Authorities. This means that you must apply to your Local Authority. You can find a list of links to the individual councils on our website: www.utcplymouth.org/apply

Join at 16

If you are interested in joining our Sixth Form you should apply as soon as you are able. Admissions for Year 12 will be handled directly by UTC Plymouth. The first round of admissions for Year 12 will close on January 30th, with late admissions accepted until September. Students from anywhere in the region can apply, regardless of where they live.

How to apply

To apply for a place, please complete our online application form on our website: www.utcplymouth.org/apply

On receipt of your application form, we will send you an acknowledgement, followed by an invite to interview for your place at UTC. Your offer of a place is likely to be conditional based on achieving certain GCSE results.
UTC Plymouth is located in the newly regenerated Devonport area. With good transport routes throughout the catchment area, our college is accessible to students from across the wider Plymouth, South Devon and South East Cornwall areas.

**By Car**
To arrive at our front gates, you will need to take the turning onto Ross Street from Albert Road. Our college should then be in clear sight, with parking to your left.

**By Train**
We are quite lucky at UTC Plymouth to have Devonport train station just a few minutes’ walk away. It connects to Plymouth’s main station and other major routes across the region.

**By Bus**
The nearest bus stops are to the front or left of our building on Albert Road or Park Avenue, with routes into the city centre and wider Plymouth area. Find the route suitable for you by taking a look at the Plymouth Citybus or Stagecoach websites.

**By Ferry**
Being located close to the Tamar River ferry crossing between Devonport and Torpoint has proven very useful with some of our Cornwall students. You can find all the information you need, including pricing and timetables on the Tamar Crossings website.
CONTACT US

UTC Plymouth,
Park Avenue,
Devonport,
Plymouth
PL1 4RL

01752 284250
reception@utcplymouth.org

/UTC Plymouh
@utcplymouth
utc_plymouth

UTCPLYMOUTH.ORG