Welcome

As the newly appointed Principal, it’s a pleasure to welcome you to our prospectus.

Our aim at UTC Plymouth is to provide our students with the skills, experience and qualifications to prepare them for a technical apprenticeship, university place or skilled employment. We offer an education that combines rigorous academic study, practical hands-on learning and experience of work for anyone aged 14 to 19 years. We provide a sound education foundation for young people interested in developing a career in Science, Technology, Engineering or Maths.

UTC Plymouth has a particular focus on Engineering which is supported by The Royal Navy and a range of employers through Plymouth Manufacturers Group – collectively employing over twelve thousand staff in the Plymouth travel-to-work-area which has a combined turnover of approximately £1.6bn. Plymouth University also works closely with the UTC and provides access to leading experts in engineering as well as a chance for students to gain a better understanding of university life.

The iENG is our ‘competency’ based curriculum that has projects combining ‘real work place’ problems with the opportunity for our students to gain practical skills in engineering with our employers. We offer a personalised pathway for each student so they can develop their talents. Combined with our enrichment programme, this means that students also build their abilities in critical thinking, communication, working in teams, creativity and problem solving – all essential for the workplace and university.

Parents can be confident that we are preparing students for future careers whilst providing a small, friendly and safe environment for students to learn.

Polly Lovell
Principal
UTC Plymouth
What are UTC’s?

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, offering an exceptional chance to focus on Science, Technology, Engineering and Maths (STEM) subjects integrated with core studies.

UTC’s have been designed to meet the needs of most demanding sectors and to educate up-and-coming young talent with the right skill sets and knowledge to fill the jobs of tomorrow. The UK needs advanced technical skills at all levels if we are to prosper in the 21st century. Whether in manufacturing, wind farms, rail links or hi-tech hospitals, we need a workforce that can develop new products, stretch and reuse existing resources, and meet all the challenges of the future. UTC’s are meeting the needs of the skills gap and, by 2016, more than 30,000 students will be able to follow this new technical education pathway.

UTC’s differ from standard secondary education in three crucially important ways:

• Each UTC is backed by a University and many employer partners.
• Employers are involved with designing and delivering the curriculum.
• The curriculum is delivered through a combination of hands-on workshop experiences, classroom activities and industry-led challenges. This is all with the aim of offering clear progression routes into employment, apprenticeships or higher education.
THE ENGINEERING SKILLS GAP

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

182,000 is the number of people with engineering skills needed each year until 2022.

£455.6bn was the estimated contribution from the engineering sector to the UK’s GDP. That’s 27.6% of the total UK GDP.

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

Engineering employment has grown by 1.8% to more than 5.5m jobs.

The average starting salary for an engineering and technology graduate is £27,079.

65% of engineering and technology graduates were in full time employment within six months of graduating, compared with all graduates (57.8%).

1 IN 5 School children would have to become an engineer to fill the skillsgap.

£455.6bn is the number of people with engineering skills needed each year until 2022.

All figures: Engineering UK Report 2016
About UTC Plymouth

The first of its kind in the South West following completion in 2013, UTC Plymouth is a new educational college which specialises in science and engineering. Housed in a new contemporary building, our science, technology and engineering facilities are unrivalled in the local area. The pride of our school are our workshops which boasts industry standard equipment, revolutionising how we teach our students.

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 work force and 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. With small class sizes and good relationships between staff and students, we’re able to develop a better understanding of our student’s needs and are therefore able to offer the best support possible.

UTC Plymouth will help you:

• Prepare for the world of work.
• Embrace a ‘can do’ and problem solving approach.
• Develop business understanding and innovation skills.
• Appreciate the importance of academic discipline, critical thinking skills and promote technical accuracy.
• Develop teamwork, communication and leadership skills.

We will also provide you with:

• Our modern state-of-the-art building incorporating high quality, cutting edge workshops designed and equipped to meet the wide ranging specialist demands of our employer partners.
• Learning, sport, social, recreational and catering spaces devised to complement our industry focus and aspirations.
KS4 Curriculum

As a Key Stage 4 student you will be able to follow a personalised curriculum through two different pathways; Challenge and Technical.

Amongst your studies in either the Challenge or Technical Pathway, you will also complete the iENG (Inspiring Engineers). You can find out what’s in the adjacent diagram, but it is designed to increase your uniqueness when applying for a job in the future and provide evidence to the employer that you are skilled in a number of competencies.

Similar to a traditional secondary school, we teach all core subjects such as Maths, English, 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 some that have even started out in industry. You will develop your skills on equipment that is just like you would find in the workplace and therefore you will have advanced skills compared to other students of a similar age.

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

At the end of your two years, you will find a wide selection of routes available for progression:
• Sixth Form at UTC Plymouth
• Intermediate Apprenticeship
• Employment with training
• Further Education (Post 16)
The UTC Plymouth Employability Package

- Employer Projects
- Skills Competency
  - PSHE Level 2
  - Workskills Level 2
  - ECDL

### Challenge Pathway

- Maths
- English Language
- English Literature
- Triple Science
- Computer Science
- Modern Foreign Language
- BTEC Engineering
- Physical Education

### Technical Pathway

- Maths
- English Language
- English Literature
- Double Science
- BTEC Engineering
- Physical Education

 utcplymouth.org
KS5 Curriculum

As a Key Stage 5 student you will be able to follow a personalised curriculum through three different pathways; Challenge, Technical and Electrical Engineering.

As in Key Stage 4, you will complete the iENG, which will help you develop many of the key competencies needed in employment. This will also provide you with a documented portfolio of skills, which is a huge advantage when applying for university or taking to interviews.

At post 16, you will want to develop and hone your set of skills to provide you with the best chance of progressing onto the career path of your choice. If you choose the technical pathway, your time in the workshops and working on practical tasks will increase considerably. The challenge pathway is best suited for those that want to develop their knowledge of these subjects and are more academic in nature. Those choosing this pathway will be those who want to keep their options open, and most likely to then specialise at university.

The electrical engineering programme is new this year, and is for those that want to progress into employment or start an apprenticeship when they leave UTC. It is highly focused and also gives the opportunity to gain English and Maths qualifications, which is an essential requirement.

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

At the end of your two years, you will find a wide selection of routes available for progression:
• Higher Apprenticeship
• Employment
• Higher Education at Degree Level
- Extended Project Qualifications
- Employer Projects
- Skills Competency
  - PSHE Level 2
  - Workskills Level 2
  - ECDL

**Challenge Pathway**
- A Level Courses

**Technical Pathway**
- BTEC Engineering Design

**Electrical Engineering Programme**
- **Year 1**
  - Engineering Technology Diploma
  - + GCSE Maths and English Resits
- **Year 2 & 3**
  - BTEC Engineering L3 Extended Diploma - 3 A Level Equivalent
  - (Can only complete this course if GCSE resits are passed or gained)
- **Year 2**
  - Electrical Installation L2 - 3 A Level Equivalent
In 2015 UTC Plymouth came 8th in the UK National Final of F1 in schools. This came after winning our regional heats to compete for a chance to enter the World Championships.
Extra-curricular

At UTC Plymouth we believe enrichment activities form a vital part of your day-to-day learning experience, offering a variety of opportunities to build on existing abilities, develop new skills and extend other interests.

**Activities and Clubs**

- DofE Award Scheme
- Combined Cadet Force
- Art, music and drama club
- Community projects
- STEM club
- F1 in schools
- Royal Navy Challenge
- Business and enterprise opportunities including ‘Young Enterprise’
- Women in Engineering

**Sports**

- Boxing
- Sports leaders course
- Football club
- Rugby club
- Rock climbing
- Fitness club
- Games/chess club
- Educational visits
- Theatre trips
- Summer overseas trips

**Trips**

- Educational visits
- Theatre trips
- Summer overseas trips

**Extra Support**

- Subject interventions

We are very proud of our extra-curricular activities and have participated and achieved in a variety of activities. Our most recent achievement was when we competed and finished 2nd in the Junior Field Gun competition in Portsmouth.

If you wish to learn more about extra-curricular activities at UTC, please e-mail Kerry at kerry.eldershaw@utcplymouth.org.
Our partners

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 continue to work very closely with UTC Plymouth. They are members of the governing body and contribute their knowledge, insight and skills. Additionally they provide leadership in the structure of the curriculum and endorse the qualifications offered at a UTC Plymouth.

In addition to providing learning material, 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.

Plymouth University helps give support and guidance to students looking to progress onto higher education and ensures they are fully prepared for the next stage of their life. Without an important link like this, it makes the jump into higher education much more difficult.

The close interaction and sustained involvement of our highly regarded employer sponsors provides a unique curriculum tailored to equip you with the confidence, academic knowledge and the practical and employability skills necessary to thrive in industry.

On the following page, we show you a few of our selected partners and a little more information about them.
‘A life without limits’

The Royal Navy is the UK’s oldest armed force, helping to secure the seas, protect Britain’s interests and deliver humanitarian aid. With over 15 engineering based roles, those who occupy them help maintain the specialist equipment that make the Royal Navy the world force it is today.

With an emphasis on skilled recruitment, UTC students are in high demand. Find out more: www.royalnavy.mod.uk

‘Trusted to deliver’

Employing over 34,000 highly skilled and committed staff, Babcock is one of the largest and most successful businesses in the UK. They help design, build, manage, operate and maintain assets that are vital to the delivery of many key public services, both in the UK and overseas.

Apprenticeships are a key part of Babcocks recruitment. Find out more: www.babcockinternational.com/Careers/Apprenticeships

‘Experience the exceptional’

Founded and based in Plymouth, Princess Yachts International plc has established itself as one of the World’s leading luxury motor yacht manufacturers. Today the company is one of the largest employers in the South West of England with over 2000 employees across six manufacturing sites.

Offering one of the most diverse and exciting apprenticeships in Plymouth, Princess Yachts open up applications each year. Find out more: www.princessyachts.com/recruitment/

‘Advancing knowledge and transforming lives through education and research’

Ranking in the top 2% of the world, Plymouth University are at the forefront of modern education. Building upon their already ambitious attitude, their vision is to become the enterprise university by developing an innovative and creative culture that empowers people.

With higher education courses ranging from architectural engineering to marine technology, Plymouth University provides the degree in which UTC Plymouth has set the foundation for. Find out more: www.plymouth.ac.uk
WRIGLEY
A Subsidiary of Mars, Incorporated

‘Opportunities at the cutting edge of science and technology’

Wrigleys has a strong presence within Plymouth, with its location in Estover - being only one of two bases in the UK.

Engineering has a key part to play in the delivery of their products, maintaining their equipment and developing strategic ways to improve their systems.

They have been a strong supporter of UTC Plymouth since opening in 2013 and we are proud to currently have two of our graduate ambassadors with them. Find our more: www.wrigley.com/uk/careers.aspx

and over 20 more including...

'Rittal is the world’s leading systems provider for enclosures, power distribution, climate control, IT infrastructure and software & services.

With their manufacturing site in Plymouth, they are always on the lookout for skilled employees.

Additionally with their Managing Director Steve Hobbs on our Board of Governors, it further emphasises their demand for this type of skilled recruit and also their backing of UTC Plymouth. Find our more: www.rittal.com/uk-en/content/en/start/
The Royal Navy Affiliation

After celebrating our second birthday in September 2015, UTC Plymouth and the Royal Navy held a ceremony to mark the occasion. Our links with the Royal Navy were strengthened with the presentation of a Charter, signed by the Head of the Navy, First Sea Lord, Admiral Sir George Zambellas. We’re very proud of this affiliation and look forward to how our partnership can improve our student’s education and personal development here at UTC.

With the addition of Rear Admiral John Clink OBE joining the Board as a governor in early 2016, the Royal Navy has a great amount of influence regarding our ethos and standards here at UTC Plymouth, along with our other employer/academia governors. John is the Plymouth based Flag Officer Sea Training (FOST), the highest ranking Naval Officer based in Plymouth, with responsibility for all naval training, including over 2,500 apprenticeships.

Combined Cadet Force (CCF) Royal Navy Section

The Combined Cadet Force (CCF) Royal Navy Section, part of the Government’s Cadet Expansion Programme, was officially opened at UTC Plymouth on Tuesday 10th May 2016 with a parade, Royal Marine’s Band and a unit flag hoisting before an audience of civic and military VIPs, students, staff and parents. Our college has over 30 cadets with our very own Director of Engineering, Lieutenant Kerry Eldershaw, Royal Navy Reserves, the new commanding officer. The principal aim of the CCF is to develop leadership skills among young people, and to give them a wider understanding of the Naval Service.
Women in STEM

Inspiring girls and women to study and build careers using science, technology, engineering and maths (STEM), has been a major goal for many organisations in 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 Womens Engineering Society:
- Only 9% of the engineering workforce is female.
- Only 6% of registered engineers and technicians (i.e. CEng, IEng, EngTech) are women.
- The UK has the lowest percentage of female engineering professionals in Europe.
- In 2013/14, women accounted for only 3.8% of Engineering apprenticeship starts.

UTC Plymouth has been consciously promoting STEM education to the region that since opening in 2013. We are proud of the number of girls that are currently with us and we believe in the coming years the ratio of females to males will only continue to get smaller. We value our girls here at UTC Plyouth, as we know they will be valued by the STEM community in the future.

### Women STEM Graduates Key Facts

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<th>Engineering &amp; Technology</th>
<th>Computer Science</th>
<th>Mathematical Sciences</th>
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<td><strong>Women</strong></td>
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<td><strong>Women make up 14%</strong></td>
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19% of our student cohort are girls. This is more than double the national average of women in the engineering workforce. We are changing perceptions.
Success stories

In our short three years of being open here at UTC Plymouth, we’ve had many success stories; with students progressing into employment, apprenticeships and university. Here are just a few to give you an idea of what they got up to:

After successfully completing a BTEC level 3 extended diploma in Engineering at UTC Plymouth, Alex applied to 4 different companies for an apprenticeship. With the skills and personal development he had gained during his study, both academic and practical, Alex was successful in being offered opportunities in all 4 companies: Wrigleys, Rittel, Princess Yachts and Babcock. Alex decided to pursue an apprenticeship with Wrigleys as he felt the company offered the correct path for his career progression.

Alex Wilkinson,
Engineer Apprentice,
Wrigleys.

Sophie spent 2 years studying A Levels at UTC Plymouth. She was successful in being offered a place at Plymouth University to study a BEng in Mechanical Engineering. Sophie was a STEM Ambassador at UTC Plymouth, as well as being Head Girl where she represented the school in a very professional manner. She worked on the F1 in schools programme which allowed her to recognise her ideal career pathway which she will be working towards at Plymouth University.

Sophie Foster,
Mechanical Engineering,
Plymouth University.

Ben completed a BTEC extended diploma in Engineering at UTC. His academic achievements gained him a place at University of South Wales studying Mechanical Engineering. His independence and passion for Engineering has enabled him to have the confidence to move away from Plymouth to progress in his chosen career.

Ben Kakuru,
Mechanical Engineering,
University of South Wales.
How to apply

Before applying for a place at UTC, we do encourage prospective students and parents to come to visit us at an open day. This will provide you with an opportunity to see our facilities, talk to members of staff and learn more about what we want our students to achieve here at the UTC. We also have ‘Meet the Principal sessions throughout the year which offer parents and students a unique and personal opportunity to speak with our principal about your options and progression.

We look for young people who have a genuine interest in the technical and practical aspects of the courses we offer; as well as having an active interest in STEM subjects (science, technology, engineering and maths).

We accept students who are looking to join us at the start of year 10 or 12 but also happily accept applications from 16 or 17 year olds seeking a second chance having already begun a post-16 course.

UTC Plymouth welcomes students from a wide catchment area that includes Plymouth, Plymstock, Plympton, Ivybridge, Tavistock, Liskeard, Launceston, Callington, Torpoint, Saltash and Looe. We may be able to assist with travel, however this may be subject to eligibility. Contact us directly to find out if we can help by calling 01752 284250 or emailing reception@utcplymouth.org.
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.

If you are now in year 9 and you live within a 45 kilometre radius of the college, you are eligible to apply.

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.
Visit us

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 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 City Bus or Stagecoach website.

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 crossing website.
Open Evenings

29th September 2016    Yr 10 & 12
24th November 2016     Yr 10 & 12
16th March 2017        Yr 10 & 12

To book your place, visit our website
www.utcplymouth.org/apply

Meet the Principal

13th October 2016       23rd March 2017
17th November 2016      20th April 2017
19th January 2017       25th May 2017
23rd February 2017      22nd June 2017

To book a session with the Principal, please contact our reception on 01752 284250 or email us at reception@utcplymouth.org

Contact Us

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Park Avenue, Devonport,
Plymouth, PL1 4RL

01752 284250
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