

ENGINEER YOUR FUTURE



“

ONE OF THE BEST THINGS ABOUT BEING A UTC STUDENT IS THE OPPORTUNITIES AVAILABLE. THERE ARE ALWAYS INTERESTING PROJECTS RUNNING AND WHAT WE DO IS SPECIFICALLY AIMED AT HELPING US TO SUCCEED.”

*YEAR 13 STUDENT, UK AND INTERNATIONAL
YOUNG ENGINEER WINNER*

WELCOME FROM THE PRINCIPAL

Welcome to the Energy Coast University Technical College. I feel privileged to be leading such a forward-thinking and innovative college, and I hope that you will be as excited as I am about the opportunities that we offer young people.

In the summer of 2018, we celebrated exceptional exam results and over 80% of our sixth form students either secured quality apprenticeships in engineering with organisations such as Morgan Sindall, the Royal Navy, Gen2, Iggesund and Sellafield, or gained a university place.

We also won three Golden Apple Education Awards and were a finalist for another three!

I believe that the employer partnerships we have are amongst the best in the country.

Our aim is to prepare students to meet the demand for highly skilled engineers in Cumbria and beyond. We will do this by ensuring that every student maximises their academic potential, experiences a wide range of enrichment activities and secures industry standard technical qualifications.

Every young person studying at ECUTC spends several hours a week working on employer projects or enrichment and undertakes several work experience placements.

I know that choosing a school or college can be one of the toughest decisions to make. I believe the ECUTC is a college good enough for my own child and I am committed to meeting with any young person or parent who wants to find out more and explore their future at the Energy Coast UTC.

Cherry Tingle
Principal



THE UK NEEDS MORE ENGINEERS



It is estimated that the UK needs at least 182,000 new engineers every year until 2030 to meet the demand for engineering skills needed to power our economy. The Energy Coast works with a wealth of commercial organisations seeking to employ and train talented young people to meet this demand.

Every single student who leaves the ECUTC goes on to an apprenticeship, a university place or employment and the vast majority of these are in the field of engineering.

As an engineer there are a wide range of career pathways open to you including:

- Architecture
- Civil
- Chemical
- Design
- Electrical
- Maintenance
- Military
- Nuclear
- Structural

There are many other career pathways that engineering skills are useful for including Project Management and Commercial Law.



“Everyday at the ECUTC prepares me for life in the workplace. I love the employer projects. The projects help to build key skills such as confidence, leadership, teamwork and communication.”
Year 11 Student

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Energy Coast UTC is sponsored and supported by Gen2 Training, NDA and the University of Cumbria. Our students benefit greatly from specialist teaching, industry standard facilities and learning alongside industry professionals at Gen2 and at our partners' workplaces.

Students benefit from a number of key commercial partners including Morgan Sindall who provide superb work experience placements and employer projects for UTC students.



UNIVERSITY OF
Cumbria

Gen2

Lakes College

INDUSAN
Diversec Backlog

THE ROYAL
NAVY

NDA
Nuclear
Decommissioning
Authority

ENERGUS.

Balfour Beatty

MORGAN
SINDALL

IGGESUND

NUVIA

SEL
Shepley Engineers Ltd

Sellafield Ltd

James Walker

KREFEER

National College
for Nuclear

ARUP

FRANKS
PORTLOCK

JACOBS

Cumberland
Building Society

Direct
Rail Services

Westinghouse

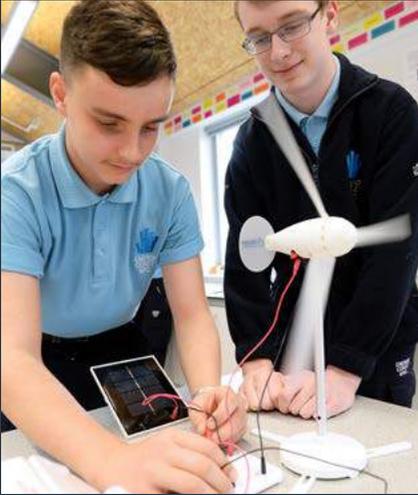
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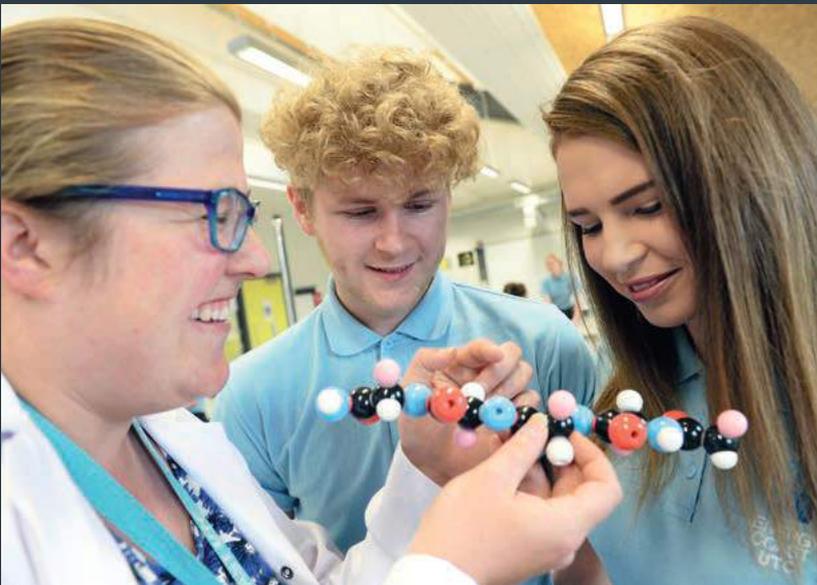
“By far the most remote UTC in the country is up on the energy coast near Sellafield. It is 100 miles away from the next UTC... If those young people had gone to normal schools in Cumbria, they would not be apprentices at 16. Employers want them because they have handled metal, they have designed things, they have solved problems, and they have experience of all those things which no longer happen in normal schools.”

Lord Baker



“We have made a long term commitment to the UTC, and by sponsoring uniforms and teaching facilities, we can ensure each student is given the opportunity to train in world class facilities, in a uniform they are proud to wear. We have an important role to play in making a positive difference to the education of young people. Ensuring they are trained to the highest standard is vital for West Cumbria, given the future opportunities available. There is a massive demand for skilled employees in West Cumbria, and this is our opportunity to nurture and develop young people to ensure they are better prepared for the future.”

Andy Crowder, Operations Director Nuclear, for Morgan Sindall



YEAR 10 AND 11 CURRICULUM

The Year 10 and 11 curriculum follows a well rounded education with extended and enhanced learning. The key emphasis is to ensure all students achieve their potential within the core aspects of Engineering, Civil Engineering, Sciences and the core curriculum including English and Maths. Learning is consistently applied to industrial projects, it is cross-functional, integrated and encourages teamwork, communication, creativity and enterprise.

Students study all GCSE core subjects, alongside 3 engineering qualifications and 3 single sciences. In addition students are given one option subject to choose. Choices include Computer Science, History, Geography, Sport and Business Studies. Every student participates in one lesson of P.E and one enrichment session. Students also study employability skills.

Core GCSEs	Engineering	Options	Enrichment
English Language English Literature Maths Sciences	City and Guilds Engineering BTEC Engineering Civil Engineering (Design, Engineer, Construct!)	Computer Science History Geography Sport Business Studies	Sport Leaders Tycoon in School 3D printing and computer design Combined Cadet Force Duke of Edinburgh Architectural Design Upcycling Performing Arts Chinese language lessons

*Availability of option subjects are subject to demand.

SIXTH FORM CURRICULUM

At Sixth Form, our students choose specialist subjects, gain deeper industry experience and engage in employer led research projects. Students' learning is built around projects provided by employers, reflecting real-life challenges that those businesses face. Last year's employer projects included project briefs set by Morgan Sindall, Arup, Iggesund, Shepleys, Nuvia and the Rotary Club exploring issues such as renewable energy, white water and bridge construction. Regular work experience, 'live' employer-defined projects, and mentorship from employer representatives are integrated into the curriculum to support student development.

Sixth Form students choose to study four A Level subjects from the list below. A GCSE resist programme is also available to those students needing to improve Level 2 grades.

- Engineering
- Civil Engineering
- Construction
- Science Core
- Chemistry
- Physics
- Biology
- Maths
- Business Studies
- English Literature
- Sport
- Information Technology
- Computer Science

*Availability of pathway subjects are subject to demand.



“This second year has obviously been focused on GCSE exams and here we can say we are astounded by the levels of support, guidance and extra resources that were made available to the year 11 students. We are very grateful for this and the additional resources of time, teacher involvement and support will no doubt bear fruit in the results later this year.”

Year 11 Parent

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The UTC Day

For all students the day starts at 8:30am and finishes at 4:00pm, although the college remains open to students for supervised study until 5:15pm every day. Transport is available.

Uniform

Our students' uniform is workwear based and is sponsored and paid for by Morgan Sindall.

Student Welfare

Student welfare and developing appropriate social skills for the workplace is central to our mission at the Energy Coast UTC. Personal development is as important as academic achievement, and regular communication between staff and parents will support this aim. We treat our students as individuals and support students to maximise their potential.

Every student is allocated a Form Tutor that will guide them throughout their time with us. Each year group has a Head of Year who will work with colleagues, parents and students to ensure that every student is supported in a way that best suits their needs.

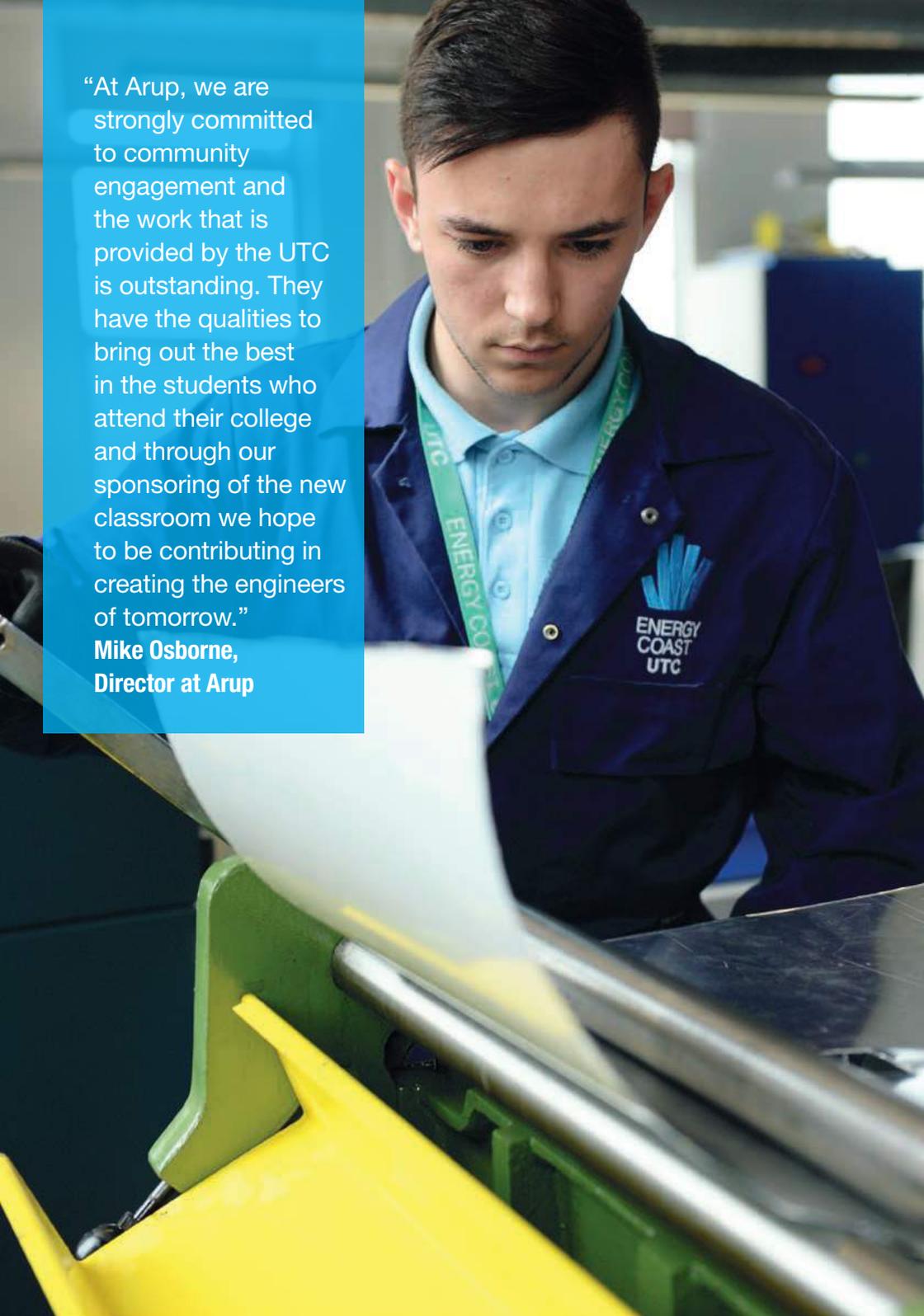
"I cannot recommend the Energy Coast UTC highly enough. From the moment we first considered changing our son's school, ECUTC have been fantastic.

Their dedication to their students is excellent, so much so that their wellbeing is taken in the same regard as their academic performance"

Year 11 Parent

“At Arup, we are strongly committed to community engagement and the work that is provided by the UTC is outstanding. They have the qualities to bring out the best in the students who attend their college and through our sponsoring of the new classroom we hope to be contributing in creating the engineers of tomorrow.”

Mike Osborne,
Director at Arup



HOW TO APPLY

Applications will be accepted throughout the academic year. You can apply online via our website or by attending an open event. You are also very welcome to visit our UTC at any time.

We look forward to receiving your application.



“The facilities at the UTC are second to none, I consider myself extremely lucky to be able to learn in such an environment.”
Year 13 student, Ogden Trust’s Year 12 Physicist of the Year

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**THESE RESULTS ARE A
FANTASTIC ACHIEVEMENT FOR
BOTH THE STUDENTS AND STAFF
AT THE ENERGY COAST UTC**

**I CONGRATULATE THEM ALL ON THEIR
SUCCESS. I AM DELIGHTED THAT
THE DEDICATION AND COMMITMENT
SHOWN BY ALL PARTNERS OVER THE
YEAR HAS ENABLED SUCH A POSITIVE
OUTCOME AND I LOOK FORWARD TO
CONTINUED SUCCESS AS WE MOVE
INTO THE NEW ACADEMIC YEAR. ”**

CHRIS NATTRESS - PRINCIPAL AT LAKES COLLEGE



ENERGY COAST
UTC

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