



# ENGINEER YOUR FUTURE



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**ALMOST ALL  
STUDENTS WHO  
LEAVE THE SCHOOL  
PROGRESS TO AN  
APPRENTICESHIP.”**

*OFSTED 2019*

# WELCOME FROM THE PRINCIPAL

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

At the Energy Coast UTC we deliver academic excellence alongside a world class technical and practical education, ensuring all our students excel in employability skills and work directly with employers on a range of projects. Pastoral care is also very important to us and, as a small college, we ensure we know and support all our students well.

In June 2019 we were inspected by Ofsted and graded Outstanding in every single area. We were one of only 34 schools nationally to be graded Outstanding in 2018-19 and only the second UTC ever to be graded Outstanding. In this prospectus you will find a number of quotes from the report, which I would encourage you to read. The full report is available on our website.

Our aim is to prepare students to meet the demand for highly skilled engineers and civil engineers in Cumbria and the world. We do this by ensuring that every student maximises their academic potential, experiences a wide range of enrichment activities and secures industry standard technical qualifications. I believe that the employer partnerships we have are amongst the best in the country. Every young person studying at the Energy Coast UTC spends several hours a week working on employer projects or enrichment and undertakes several work experience placements.

As a parent myself, I know that choosing a school or college can be one of the toughest decisions to make. I believe the Energy Coast UTC is, in every respect, a college good enough for my own child and therefore your child. You are very welcome to visit us and talk to us if you would like to find out more.

***Cherry Tingle***  
***Principal***



# THE UK NEEDS MORE ENGINEERS

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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 UTC 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 Energy Coast UTC 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 also many other career pathways that engineering skills are useful for including Project Management and Commercial Law.



“Everyday at the Energy Coast UTC 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.”

**Student**

# ENGINEER YOUR FUTURE

Energy Coast UTC is sponsored and supported by Morgan Sindall Infrastructure, NDA and the University of Cumbria. Our students benefit greatly from specialist teaching, industry standard facilities and learning alongside industry professionals in our state of the art workshops and at our partners' workplaces.



We work with a wide range of employer partners.



ARUP



JACOBS



Balfour Beatty





“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 or 18. 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**



“Around the school and in lessons there is a sense that pupils are happy. They are mature and respectful. They are generally confident that, with the support of the school, they will succeed in attaining their aspirational ambitions.”

**Ofsted 2019**



# YEAR 10 AND 11 CURRICULUM

The Year 10 and 11 curriculum gives students a well rounded academic education with extended and enhanced learning in engineering. The key emphasis is to ensure all students achieve their potential within English and maths, engineering, digital engineering, sciences and their option subject. 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. 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	Digital engineering Engineering Practical engineering	Business studies Computer science Geography History Sport	Current options - Tycoon enterprise competition 3D printing and computer design Combined cadet force Duke of Edinburgh Architectural bronze modelling Robotics club Remote control boats & hovercrafts UN climate change group Build your own oscillating engine Code breaking club Debate club

\*Availability of option subjects are subject to demand.

# SIXTH FORM CURRICULUM

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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 businesses face. Previous 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 three A Level subjects from the list below. A GCSE resit programme is also available to those students needing to improve Level 2 grades.

- Applied science
- Business
- Chemistry
- Civil engineering
- Computer science
- Construction
- Cyber security
- Digital engineering
- Digital media
- Engineering
- Maths
- Physics
- Sport

\*Availability of pathway subjects are subject to demand.



“Leaders promote a consistent culture of high aspiration, high-quality teaching and support and very positive attitudes.”

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## The UTC Day

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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. If students are not up to date with all work or require any extra support, they stay until 5:15pm.

## Uniform

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

## Student Welfare

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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, Energy Coast UTC 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"

**Parent**



“The school is highly successful in fully preparing young people for their future lives.”

**Ofsted 2019**

# HOW TO APPLY

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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.”  
**Former student, Ogden Trust’s Year 12  
Physicist of the Year**

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**PUPILS RECEIVE  
EXCELLENT SUPPORT  
THAT HELPS THEM  
BECOME CONFIDENT  
HEALTHY, HAPPY,  
POSITIVE AND  
RESPONSIBLE  
YOUNG ADULTS. ”**

*OFSTED 2019*

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**THE BEHAVIOUR  
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OUTSTANDING.**”

*OFSTED 2019*

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