

Energy Coast UTC KS4

ENGINEER YOUR FUTURE



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"Energy Coast UTC is a welcoming and nurturing place for pupils to learn. Pupils are happy here. They told inspectors that they are treated as individuals and they can be themselves."

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Welcome From The Energy Coast Team

Welcome to the Energy Coast University Technical College (EC UTC) - a forward-thinking and innovative educational establishment which ensures that every one of our students receives a first-class technical and academic education which will prepare them for their future career and set them apart from others as they journey on to their future destinations.

Our mission is for our students to achieve more than they first thought possible by creating opportunities which enable them to build successful careers and lives. At EC UTC, we strive to inspire our students to enjoy their learning, spark their curiosity, and help them to grow into the best version of themselves so they leave ready and equipped for an exciting future and successful, fruitful lives.

We deliver:

- Achievement in academic, creative, and technical subjects with a focus on teaching and learning
- Care for students, staff and the greater community beyond the UTC community
- Excellence in personal integrity, punctuality, manners, honesty, dress and standards.

We deliver academic excellence alongside a world class technical and practical education, ensuring that all of our students excel in employability skills by working directly with local and national employers on a range of projects.

The impact of their unwavering support is evident with our impressive destinations: over 85% of our alumni progress onto apprenticeships with local employers who they have had the opportunity to learn about and work alongside during their time at Energy Coast UTC, with the remainder going on to university. Almost every student who leaves us at the end of their studies goes on to an apprenticeship, employment or further education.

A new and exciting future awaits; our expert team very much look forward to meeting you and welcoming you into our supportive and aspirational school community.

We look forward to welcoming you to our UTC.

It's time to Engineer Your Future at Energy Coast UTC!



Why choose Energy Coast UTC Key Stage 4?

We provide an industry-focused curriculum with employer-led learning, ensuring our students are **work-ready** and equipped for university, apprenticeships, or employment.

Ethos

We grow as learners to be the best we can be through care, collaboration and challenge.

Three vital ingredients make up the ethos of ECUTC: Employer Engagement, Project-Based Learning, and a Technical and Academic Curriculum. We are an exceptional school which is geared towards students and their success, and built upon Achievement, Care and Excellence (ACE) principles alongside Nurture and Enterprise. Our approach allows young people to achieve the highest grades and develop the key life-skills essential for success.

Mission

Our University Technical College (UTC) will provide an outstanding, enterprising education for students, grounded in traditional values, striving for first-class, technically focused pathways, combined with academic success at its core. Designed in association with employers our courses are tailored to provide industry-leading skills and education in Construction, Energy and Engineering technologies.

Our courses are delivered through the application of our values/principles of mutual respect, supportive pastoral care and inspirational teaching to happy, inquisitive students. We strive to help every student to identify their unique talent, for the benefit of all. This is supported through our insistence on the highest standards in all that we do.

"Leaders have high expectations of pupils' achievement and behaviour. Typically, pupils achieve well."

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Our Values



ACHIEVEMENT

ACHIEVEMENT in academic, creative and vocational forms with a focus on teaching and learning.



CARE

CARE for students, staff and the greater community beyond the UTC community.



EXCELLENCE

EXCELLENCE in personal integrity, punctuality, manners, honesty, dress and standards.

Employer Partners

Preparing students for successful careers is at the heart of everything we do. We believe young people learn best when they understand how their education connects to the world of work. That's why industry engagement forms a key part of every student's journey at Energy Coast UTC.

From Year 10 through to Sixth Form, students work closely with employer partners, participate in industry projects and gain insight into the skills needed for future careers. These experiences help students develop confidence, professionalism and an understanding of workplace expectations.

Who we work with:



92% of Y13 leavers go on to Higher Education, Degree Apprenticeships or full-time employment

94% of Y11 leavers go on to Further Education or Apprenticeships

Support & Wellbeing

Energy Coast UTC has created a supportive, inclusive and nurturing learning environment for all our students. The mental and personal wellbeing of our students is just as important as their academic success, and we will provide the support for all our students to thrive.

We have an experienced pastoral team consisting of a dedicated Head of Year and Attendance and Wellbeing Officer for each year group to build positive relationships with our students and their parents and carers



Our staff have a wealth of experience and expertise across a range of industries, this, paired with our huge external network of employers allows students to have bespoke guidance towards their chosen career.



Students will benefit from enrichment and reward activities, employer engagement, mock interview days and work experience programmes during their time at the Energy Coast UTC.



We believe that effective partnerships between home and school are the key to success. At the beginning of every school year, we offer parents the opportunity to meet with their child's tutor to discuss the year ahead and set clear expectations, alongside parents' evenings throughout the year.



We have a zero-tolerance policy towards bullying and ensure all students have a voice, and that every voice is valued.



Employability

Employability at the UTC is truly embedded across the curriculum. These additional sessions each week will provide the platform our students need to embolden their aspirations and prepare them for a competitive job market, making sure they reach their potential and beyond.

Skills Builder 2.0

Essential skills play a crucial role in shaping our future career goals, enabling us to perform any job, anywhere. The more robust our essential skills are, the greater our chances of pursuing the job roles we desire. At the UTC, we intentionally incorporate the essential skills from the Skills Builder framework into every lesson and conversation. We do this because our employer partners, such as Morgan Sindall and Sellafield, recognize their value. More importantly, we utilise these skills to cultivate our students into employable young individuals who employers view as their future workforce.



Student Life

SCHOOL DAY

The school day starts at 08:30am everyday and students finish school at 3:30pm between Monday-Thursday, and 1:00pm on Friday. Sixth Form students will follow their individual timetables within these hours.

FREE SCHOOL MEALS

Students who are eligible for free meals, according to the Government's criteria, can apply for these from their local council who will notify us of their eligibility.

UNIFORM

All students are provided with a full free set of uniform upon entry into Y10 or Y12, paid for by our sponsor Morgan Sindall. Further information about the Energy Coast UTC uniform can be found on our website.

OUTSIDE THE CLASSROOM

We offer various extra-curricular clubs from sporting clubs like Rugby and Football, to our Combined Cadet Force (CCF). Curriculum departments also offer UK and International trips, residentials and volunteering opportunities that students have the opportunity to attend during their time with us.

"Pupils feel safe. They know that staff will listen and help them if they are worried about something."
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KS4 Options

Students can choose 2 options from the following subjects:

- Design & Technology (Product Design)
- Design, Engineer & Construct
- Health & Social Care
- Geography
- Sport
- Business & Enterprise
- Animal Care
- Cyber Security

OCR GCSE DESIGN & TECHNOLOGY (PRODUCT DESIGN)

Students learn how to design and create innovative products using modern design techniques. They develop skills in problem-solving creativity, and practical making. The course includes designing, modelling, and evaluating products.

- Principles of Design & Technology
- Iterative Design Challenge
- Design Thinking and Communication
- Materials and Manufacturing Processes
- Product Analysis and Evaluation

How Am I Assessed: 50% Coursework, 50% Exam

TLM Level 2 DESIGN, ENGINEER & CONSTRUCT

This course introduces students to the principles of engineering and construction. Students learn how structures are designed, built, and tested through practical project work over two years. It combines technical knowledge with hands-on learning and project management skills.

- Design Engineering Principles
- Construction Processes
- CAD and Technical Drawing
- Project Planning and Management
- Health and Safety in Engineering

How Am I Assessed: 50% Coursework, 50% Exam

Pearson BTEC Tech Award in HEALTH & SOCIAL CARE

Students explore how to support individuals' health and wellbeing. They learn about care services, communication, and safeguarding. The course prepares students for careers in healthcare and social support

- Human Lifespan Development
- Health and Social Care Services and Values
- Health and Wellbeing
- Communication Skills in Care
- Safeguarding and Individual Needs

How Am I Assessed: 60% Coursework, 40% Exam

Pearson BTEC Tech Award in SPORT

Students learn about fitness, training methods, and sports performance. The course explores how the body works during exercise and physical activity. It combines practical sports participation with coursework and assessment

- Preparing Participants to Take Part in Sport and Physical Activity
- Taking Part and Improving Other Participants' Sporting Performance
- Developing Fitness to Improve Other Participants' Performance
- Sports Leadership and Training Methods

How Am I Assessed: 60% Coursework, 40% Exam

OCR GCSE GEOGRAPHY

Students study the world's physical and human environments. Topics include climate change, natural hazards, and population. Fieldwork helps students understand real-world geographical issues.

- Living in the UK Today
- The World Around Us
- Geographical Skills and Fieldwork
- Climate Change and Ecosystems
- Urbanisation and Population

How Am I Assessed: 100% Exam

Pearson BTEC Tech Award in BUSINESS & ENTERPRISE

Students learn how business operate and succeed. Topics include marketing, finance, and entrepreneurship. The course develops practical skills for future business careers.

- Enterprise in the Business World
- Marketing and Promotion
- Finance and Budgeting
- Customer Service
- Entrepreneurship

How Am I Assessed: 60% Coursework, 40% Exam

BTEC

Tech Award in

ANIMAL CARE

Students learn how to care for and understand a variety of animals. topics include animal health, welfare, and behaviour. It is ideal for students interested in veterinary or animal-related careers

- Animal Health and Welfare
- Animal Behaviour
- Handling and Caring for Animals
- Animal Housing and Nutrition
- Working in the Animal Care Industry

How Am I Assessed: 60% Coursework, 40% Exam

CYBER SECURITY

Students learn how to protect computers, networks, and data from cyber threats. They explore topics such as hacking, online safety, and digital security.

- Cyber Threats and Vulnerabilities
- Network Security
- Ethical Hacking
- Online Safety and Data Protection
- Encryption and Authentication
- Digital Forensics

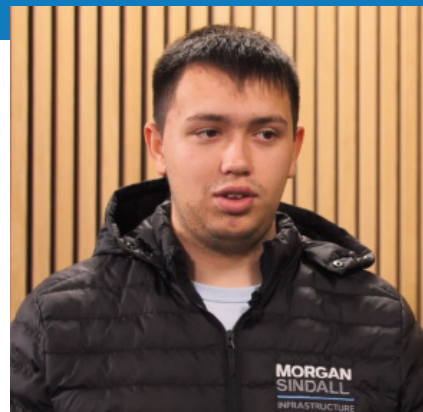
How Am I Assessed: Portfolio Based Assessment



Destinations

Energy Coast UTC prides itself on supporting all students to reach fantastic destinations. Our focus is on students gaining a range of skills and experiences during their time with us as well as achieving great grades that will help them to get to the university or apprenticeship of their choice.

Here are a few of our previous students and where they are now:



Jack joined Energy Coast UTC in Year 10 and continued into Sixth Form studying Applied Science, Engineering and DEC. He secured an apprenticeship with **Morgan Sindall Infrastructure** in Civil Engineering.

"Energy Coast UTC pushed me to get to where I am, helping me build my confidence and improve my skills that are all applicable in my role at Morgan Sindall. Working with Morgan Sindall during my time at UTC allowed me to experience different areas of the company to help me decide on the career path I chose."

**MORGAN
SINDALL**
INFRASTRUCTURE



Teagan joined Energy Coast UTC in Sixth Form studying A Level Physics, Mathematics and Chemistry. She has completed her **Masters in Physics** at the **University of Liverpool**, receiving a **First Class Honours**. Teagan was also the recipient of the **HWB Skinner Prize** for the highest graded Master's thesis within the Physics Department for her academic year.

"I must repeat like I have done so with the several discussions I have had with UTC staff members since leaving, that I really owe a lot of this to attending the UTC. I had support unlike I had during secondary school, and to have teachers be confident in my ability to do science as a girl has really helped with paving my career path. My current career aim is to continue to climb the academic ladder, but it's still early days now."

**UNIVERSITY OF
LIVERPOOL**



Lily joined Energy Coast UTC in Year 10 and continued into Sixth Form studying Applied Science, Construction and DEC. She secured a **degree apprenticeship** with **Willmott Dixon** as part of their Construction Design Management Trainee Scheme.

"UTC played a crucial role in my journey by equipping me with the technical knowledge required for my role at Willmott Dixon. The foundation I built at UTC has made the transition into my professional life much smoother. Understanding industry-specific terminology and concepts from day one has helped me integrate seamlessly into my role, giving me a sense of belonging and confidence in my abilities."

WILLMOTT DIXON
SINCE 1852



Lyla joined Energy Coast UTC in Year 9 on the accelerated programme and continued into Sixth Form studying Business, Engineering and DEC. She secured a **degree apprenticeship** with **Morgan Sindall Infrastructure** in Project Management.

"Being part of the accelerated programme has allowed me to progress on to my GCSE and A Level qualifications a year early, allowing me to enter the world of work and achieve my degree apprenticeship earlier than my peers. I'm grateful for the work experience and employer project opportunities I had during my time at Energy Coast UTC that provided me with these employer encounters."

**MORGAN
SINDALL**
INFRASTRUCTURE



Aaron joined Energy Coast UTC in Year 10 and continued into Sixth Form studying Applied Science, Engineering and DEC. He secured an apprenticeship with **Morgan Sindall Infrastructure** in Electrical Engineering.

"The work experience and mock interview experience I received during my time at Energy Coast UTC allowed me to be fully prepared for the world of work and succeed in my chosen career."

**MORGAN
SINDALL**
INFRASTRUCTURE



Archie joined Energy Coast UTC in Sixth Form studying Engineering, Computer Science and Cyber Security. He secured a **degree apprenticeship** with **Sellafield Ltd** in **Engineering Maintenance**.

"Energy Coast UTC helped me develop communication and management skills which is essential to my role. Through the employability and employer projects, I was able to develop my soft skills that helped me through the interview process for my degree apprenticeship."

Sellafield Ltd



Charlie joined Energy Coast UTC in Year 10 and continued into Sixth Form studying Physics, Chemistry and Construction. He has completed his **Masters in Civil Engineering** at **Newcastle University**, receiving a **First Class Honours**.

"After finishing my A-Levels and BTECs in 2018, I studied Civil Engineering at Newcastle University, with a specialism in Hydrology and sustainable water management. The work I undertake daily covers various disciplines including project management, engineering solutions, temporary works, quality assurance, setting out and surveying, planning, communicating with designers, and health and safety - all of which utilise the fundamental skills which I developed at Energy Coast UTC."

**Newcastle
University**



Tom joined Energy Coast UTC in Year 9 on the accelerated programme and continued into Sixth Form studying Physics, Engineering and Mathematics. He secured a **degree apprenticeship** with **Morgan Sindall Infrastructure** in Electromechanical Engineering.

"During my time at Energy Coast UTC, I had various opportunities to engage with Morgan Sindall through employer projects, work experience, mock interviews and a talk from the Managing Director which inspired me to achieve a degree apprenticeship with them."



Lauren joined Energy Coast UTC in Year 10 and continued into Sixth Form studying Applied Science, Engineering and L3 Mathematics. She secured an apprenticeship with **Morgan Sindall Infrastructure** in Electrical Engineering.

"The skills and qualifications I received during my time at Energy Coast UTC has enabled me to easily step into the world of work. I now support the UTC with events to encourage future students into apprenticeships and the benefit of attending the UTC."



Sophie joined Energy Coast UTC in Year 10 and left after completing her GCSEs, securing an **apprenticeship** with **Core Nuclear** as a **Maintenance Technician**.

"I would encourage anyone to do an apprenticeship because it really matures you and allows you to get a taste of the actual work environment and meeting new employers. My time at Energy Coast UTC helped me decide on a career in engineering and set me up for success when it came to my interview."



"Students in the sixth form value the opportunity to take on responsibilities, such as leading the charity and environmental societies."

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"Pupils are polite and friendly. They enjoy positive relationships with each other and their teachers."

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MORGAN SINDALL

INFRASTRUCTURE

Morgan Sindall Infrastructure has announced a substantial investment in the Energy Coast University Technical College, solidifying an almost decade-long partnership and enriching the educational landscape in Cumbria.

Further funding from Morgan Sindall will support the development of civil and electrical engineering facilities at our UTC and create opportunities for 30 apprentices annually in support of Morgan Sindall Infrastructure's commitment to enhance the wider nuclear skills landscape in the region.

How does this partnership benefit our students?

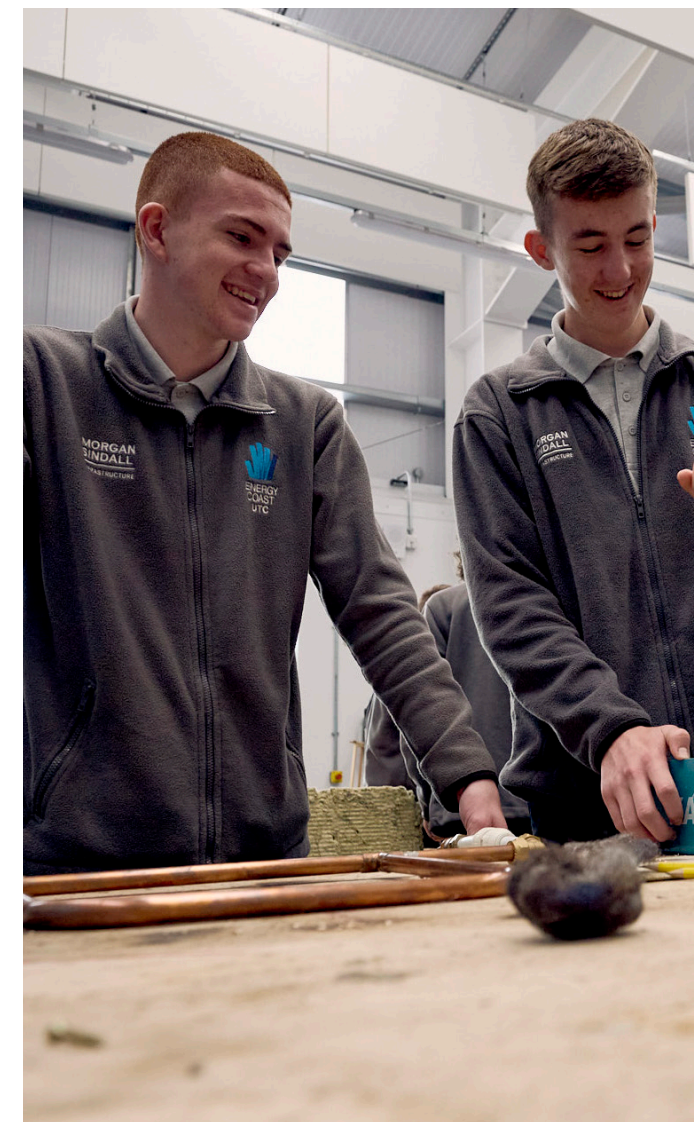
Morgan Sindall Infrastructure have committed to taking 30 apprentices annually from the Energy Coast UTC to develop the golden threads between industry and education.

Each week, Morgan Sindall run an Employer Project with our students and host work experience to provide them with a real-life understanding of the construction industry. This not only helps to prepare our students for future employment opportunities but also gives them a chance to develop their skills and confidence in a professional environment.

How does this partnership benefit our staff?

Teachers at Energy Coast UTC can benefit from the expertise of Morgan Sindall's staff and trainers, enabling them to bring new and innovative teaching methods into the classroom, to enhance the learning experience of our students.

The investment into the Energy Coast UTC's facilities allows our students to continue using up-to-date, industry standard machinery, preparing them for the world of work.



"Pupils enjoy learning in well-equipped engineering suites. They take part in high-quality work experience with prestigious employers."

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Energy Coast UTC

Engineer your future

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