

# ENERGY COAST UTC SIXTH FORM

ENGINEER YOUR FUTURE!



ENERGY COAST  
UTC

EMPOWERING FUTURE GENERATIONS



# Welcome from the Head of School

“ Welcome to the Energy Coast University Technical College- a forward-thinking and innovative educational establishment which ensures that all of our students receive a first-class technical and academic education which will set them apart from others as they journey onto their future destinations!

At Energy Coast UTC 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 team here at Energy Coast UTC really do always go the extra mile to secure the best possible outcomes for students in everything they do. It is a privilege to work with a team of professionals who always put the students at the heart of every single decision they make with regards to education, technical training, careers guidance, employer engagement opportunities, destinations, personal development, pastoral support...the list is endless.

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.

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.

So...what are you waiting for?

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

Kerryann Wilson  
Head of School



@Energy Coast UTC

on all platforms



Keep up to date!



*'Teachers skilfully use their specialist subject knowledge, including that of industry, to present and explain information clearly to pupils. This helps pupils to deepen their learning.'*

**Ofsted 2023**

Our vision is to support every student to realise and achieve their full potential. Our curriculum is designed with this in mind! By designing a transformative technical curriculum which is underpinned by academic excellence we ensure that students are fully prepared for the world of work and their next steps; both academic and professional. By working with our impressive range of employer partners and industry professionals the opportunities provided for our students are unique and allow them to fully explore what they wish to achieve in the future!

Our aim is to prepare students to meet the demand for their future destinations as highly skilled engineers and civil engineers- not only within our home county of Cumbria, but also the world!



# OUR VISION & AIM

## KINDNESS



**KINDNESS** is an important trait that we should all strive to possess. We expect our students and staff to be considerate, compassionate, and understanding towards others. Kindness allows us to build meaningful relationships and foster a sense of community in our school.

## COMMITMENT



**COMMITMENT** is a crucial element in achieving success. Students should be dedicated to their work to achieve their goals. Commitment is a mindset that requires discipline, hard work, and perseverance. With a strong sense of commitment, students can achieve their goals and reach their full potential in all aspects of their lives.

## BELIEF



**BELIEF** in yourself is a large factor in empowering you to perform to your highest levels and surpass expectations. This self-belief allows students to overcome obstacles and challenges that may have seemed insurmountable before. It allows us to see opportunities where others may only see roadblocks, and to approach difficult situations with a positive and proactive mindset.

# OUR VALUES



# EMPLOYER PARTNERS

*'Pupils enjoy learning in well-equipped engineering suites. They take part in high-quality work experience with prestigious employers.'*  
Ofsted 2023

The partnerships we have developed with local and national employers provide exceptional, real-world experience to our students throughout their studies. These partnerships offer unrivalled access to work experience, mock experience interviews and targeted career advice; meaning they teach you the knowledge and skills that employers actively seek.

One of our key employer partners is the construction and infrastructure development giant Morgan Sindall. Currently Morgan Sindall sponsor the Energy Coast UTC uniform, allowing students to receive a full free set of uniform.

## Companies we work with



### Where do our students progress to?

- Armed Forces
- ARUP
- Atkins
- BAE Systems
- Balfour Beatty
- Cavendish Nuclear
- Cumberland Council
- Cumbria Institute of Sport
- Doosan Babcock
- Eneragus
- Forth Engineering
- Gen2
- Holmen Iggesund
- Innovia
- Jacobs
- James Fisher Nuclear
- James Walkers
- KBR
- Low Level Waste Repository
- Maryport Groundworks
- McMenon
- Morgan Sindall
- NHS
- NNL
- Numech
- Royal Navy
- Sellafield
- Shepleys
- Storey
- Tattersall Bailey
- TSP
- United Utilities
- Bangor University
- Edge Hill University
- Liverpool John Moores University
- Newcastle University
- Northumbria University
- Nottingham University
- Sheffield Hallam University
- University of Cumbria

# SUPPORT AND 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.

Students will also have contact with their form tutor, and have access to their Head of Key Stage for further support.



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.**

*'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.'*  
Ofsted 2023



# 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.



UTC ENGINEERS ARE  
**RESILIENT**



UTC ENGINEERS ARE  
**INDEPENDENT**



UTC ENGINEERS ARE  
**GOOD COMMUNICATORS**



UTC ENGINEERS ARE  
**AMBITIOUS**



UTC ENGINEERS ARE  
**GOOD WITH NUMBERS**



UTC ENGINEERS ARE  
**TEAM WORKERS**



UTC ENGINEERS ARE  
**REFLECTIVE**



UTC ENGINEERS ARE  
**LEADERS**



## EMPLOYER PROJECTS

All students work directly with an employer for at least 2 lessons per week. Over a period of 12-weeks, students work on a real-life challenge set by their employer partner which is sector specific. Students work together in small teams to come up with ideas and suggestions to successfully resolve the problem which, at the end of the 12-week process, they then have to present back to a panel.

In addition students complete work experience lasting from 1 week to 50 days depending on the course studied. A large number of students who complete a project with an employer gain an apprenticeship.



# 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.

## 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 your 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](#).

*'Pupils, including those in the sixth form, spoke highly of the careers guidance that they receive. This includes learning about apprenticeships and participating in well-designed visits to employers and universities. This allows pupils to make informed choices about their future career pathways.'*  
Ofsted 2023

## 16-19 Bursary

Students in Sixth Form who are experiencing financial hardship whilst studying at the Energy Coast UTC may be entitled to the 16-19 bursary to help with transport, trips and course related equipment. Further information can be found on our policies section of our [website](#).

*'Pupils benefit from a vast array of activities that help them to develop their confidence, such as the Combined Cadet Force, sports clubs, visits and overseas trips.'*  
Ofsted 2023

*'Students successfully move on to education, employment or training, including apprenticeships.'*  
Ofsted 2023

## 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 an array of trips and residentials 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.'*

*Ofsted 2023*



*'Leaders have developed an appropriate curriculum, including in the sixth form, that meets the needs of local employers in areas such as engineering and construction.'*

*Ofsted 2023*

# PATHWAYS

The Energy Coast UTC Sixth Form offers a variety of pathways to allow progression to degree apprenticeships, university or employment. Below are the pathways we provide, with further detailed information about each course on the following pages.

## T-Levels

You will study one of the following:

Engineering and Manufacturing

Construction

Business

Entry requirements: 5 GCSEs at grades 4-9\*

T-Levels are a blend of classroom learning and on-the-job learning with a 45-day industry placement, resulting in a qualification equivalent to 3 A Levels.

## Level 3 Pathway

You will study all of the below:

L3 Applied Science

L3 Construction

L3 Business

Entry requirements: 5 GCSEs at grades 4-9\*

## Resit Pathway

Part-time provision suitable for students who need to resit English and maths.

## Pathway to Apprenticeship

Suitable for those needing to resit either English OR maths GCSE.

Students will study a Level 2 Diploma in Civil Engineering alongside the resit qualification.

\*must include English and maths at grade 4

## Why choose a T-Level?

This new qualification is designed to provide students with a clear pathway to skilled employment or progression to higher education.

T-Levels are a great option for students who want to gain practical skills and experience in a particular industry while still receiving a high-quality education. The industry placement component of the program allows students to apply their classroom learning in a real-world setting and develop valuable workplace skills.

T-Levels represent an exciting new opportunity for students to gain the skills and experience they need to succeed in the workforce or continue their education at a higher level.

We have various local and national companies signed up for the 45-day industry placement ready to provide students valuable insights into their industry!

# T-LEVEL BUSINESS

## MANAGEMENT AND ADMINISTRATION

### Course content

In the first year of study, learners will cover core content which covers the underpinning knowledge, concepts and skills.

First Year Core topics include:

- Business context
- People
- Quality and compliance
- Finance
- Policies and procedures
- Project and change management
- Business behaviours

In the second year of study, learners will focus on an occupational specialism, either team leadership and management or business improvement.

### Entry requirements

5 GCSEs at grades 4-9 including English literature or language and maths

### Career progression

Successful completion of this course can lead to higher level apprenticeships in a business/management or higher education at a University in a wide range of subjects such as HR, management, finance or marketing. This course can also lead on to employment opportunities within various industries.

### Occupational specialism option one

Team leadership and Management

- Lead, Manage and Develop individuals and teams to deliver outcomes
- Build relationships with colleagues, customers and stakeholders
- Deliver Core operational tasks and plans
- Manage and implement projects
- Apply governance and compliance requirements

### Occupational specialism option two

Business Improvement

- Acquire and protect data to support the improvement process
- Analyse data to identify opportunities for improvement
- Engage stakeholders in discussions on business processes and improvement.
- Identify, propose and plan improvement solutions.
- Monitor and report the implementation of business improvement activities.

# T-LEVEL

# CONSTRUCTION

## DESIGN, SURVEYING AND PLANNING

### Course content

In the first year of study, learners will cover core content which covers the underpinning knowledge, concepts and skills.

First Year Core topics include:

- Health and safety
- Science
- Measurement
- Building technology
- Digital technology
- Construction mathematical techniques
- Design
- Construction and the built environment industry
- Sustainability
- Project management

In the second year of study, learners will focus on an occupational specialism from the below:

- Site investigation requirements of a project
- Planning of civil engineering projects
- Site survey requirements of a project
- Selection of techniques and materials for a civil engineering product

### Entry requirements

5 GCSEs at grades 4-9 including English literature or language and maths

### Career progression

Successful completion of this course can lead to higher level apprenticeships or employment with major construction-engineering companies, or higher education at a University in a wide range of subjects such as construction and the built environment.

There are many other career pathways that engineering skills are useful for including Project Management and Commercial Law. Sellafield, for example, remains the world's most complex nuclear facility with a range of operations continuing there such as decommissioning, reprocessing and nuclear waste management and work continues towards a nuclear new build in this part of the country.



# T-LEVEL ENGINEERING & MANUFACTURING

## MAINTENANCE, INSTALLATION AND REPAIR

### Course content

In the first year of study, learners will cover core content which covers the underpinning knowledge, concepts and skills.

First Year Core topics include:

- Health and safety principles
- Engineering and manufacturing
- Mathematics and science for engineering and manufacturing
- Materials and their properties
- Mechanical principles
- Electrical and electronic principles
- Project and programme management
- Business, commercial and financial awareness.

In the second year of study, learners will focus on an occupational specialism from the below:

- Construction and operation of standard power conversion systems
- Application of component classification, numbering and referencing systems
- Skills to select and use tools, equipment, machinery and technology safely and effectively to complete maintenance, installation and repair activities

### Entry requirements

5 GCSEs at grades 4-9 including English literature or language and maths

### Career progression

Successful completion of this course can lead to higher level apprenticeships or employment with major engineering companies, or higher education at a University in a wide range of subjects such as engineering, marine engineering, mechanical engineering or electrical power.

New opportunities in Nuclear waste and decommissioning means that West Cumbria could enjoy £90billion of investment in energy related projects and nuclear decommissioning in the next 15 years.

“Leaders, the chief executive officer (CEO), and governors are highly ambitious for all pupils...they enable pupils to develop into well-rounded individuals who are ready for the world of work.”

*Ofsted 2023*

# LEVEL 3 PATHWAY

The Level 3 pathway consists of Applied Science, Construction and Business to allow students to explore various subjects to support their future career decisions.

In addition to academic studies, students in the Level 3 pathway also have the opportunity to engage in work experience and employer projects, providing insight into various careers.

## Pathway content

### Applied Science

OCR Level 3 Cambridge Technical  
Extended Certificate  
Equivalent to 1 A Level

Topics include:

- Laboratory techniques
- Scientific analysis and reporting
- The control of hazards in a laboratory
- Environmental surveying
- Environmental management
- Sustainable and renewable energy

### Business

BTEC Level 3 National Extended Diploma  
Equivalent to 0.5 of an A Level

Topics include;

- Exploring business
- Developing a marketing campaign
- Personal and business finance
- Investigating customer service

### Construction and the Built Environment

BTEC Level 3 National Extended  
Certificate  
Equivalent to 1.5 of an A Level

Topics include

- Construction principles
- Construction design
- Health and safety in construction
- Construction technology

## Entry requirements

5 GCSEs at grades 4-9 including English  
literature or language and maths

## Career progression

Successful completion of this pathway  
can lead to employment in a laboratory  
setting or employment in a construction  
trade.

This pathway will also provide  
progression to apprenticeships and  
university in a range of subjects such as  
construction or the built environment,  
architecture, business, HR, marketing,  
environmental sciences or forensic  
sciences.

*“Students in the sixth form value the  
opportunity to take on  
responsibilities, such as leading the  
charity and environmental societies.”  
Ofsted 2023*

# PATHWAY TO APPRENTICESHIP (1 YEAR COURSE)

The Pathway to Apprenticeship is ideal for students who need to resit either their English language or math GCSE, whilst also studying towards a Level 2 Diploma in Civil Engineering.

Students will study a broad range of subjects including bricklaying, manufacturing, joinery, plumbing, electrical, painting and decorating and engineering. Students will have a hands on experience sampling sectors where there is a national skills gap, facilitating the opportunity for various future employment pathways.

## Entry requirements

5 GCSEs at grades 3/4 or equivalent

## Career progression

Successful completion of this pathway allows students to move on to a T Level or the Level 3 Pathway, or move into an apprenticeship or employment.

## Why should I study this course?

Each student will have the opportunity to be involved with a bespoke employer project directly linked to the specialist areas they require for their desired future employment or apprenticeship. It will support students who have succeeded in their Key Stage 4 programme of study within civil engineering or engineering and those who wish to 'top up' their Level 2 achievement to progress on to employment.

# GCSE RESITS

We also offer GCSE resits in English language and maths to students who worked hard at their first attempt in the summer exams and who are committed to working even harder throughout year 12, and to securing grade 4 or above in these important qualifications.

Upon securing the minimum entry requirements for the T Levels and Level 3 Pathway, students can progress onto these pathways, or move onto employment or apprenticeships.



# 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. Further

## 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.

*There are not many education facilities that actually train people ready for work, and that's what the UTC does. That's why the students from the UTC stand out so much. When you see the the students coming out of the UTC, they're ready for industry, they've been trained and stand out among the employable people in Cumbria.'*

*Peter Musk, Morgan Sindall Infrastructure and UTC Governor*

**MORGAN  
SINDALL**  
INFRASTRUCTURE

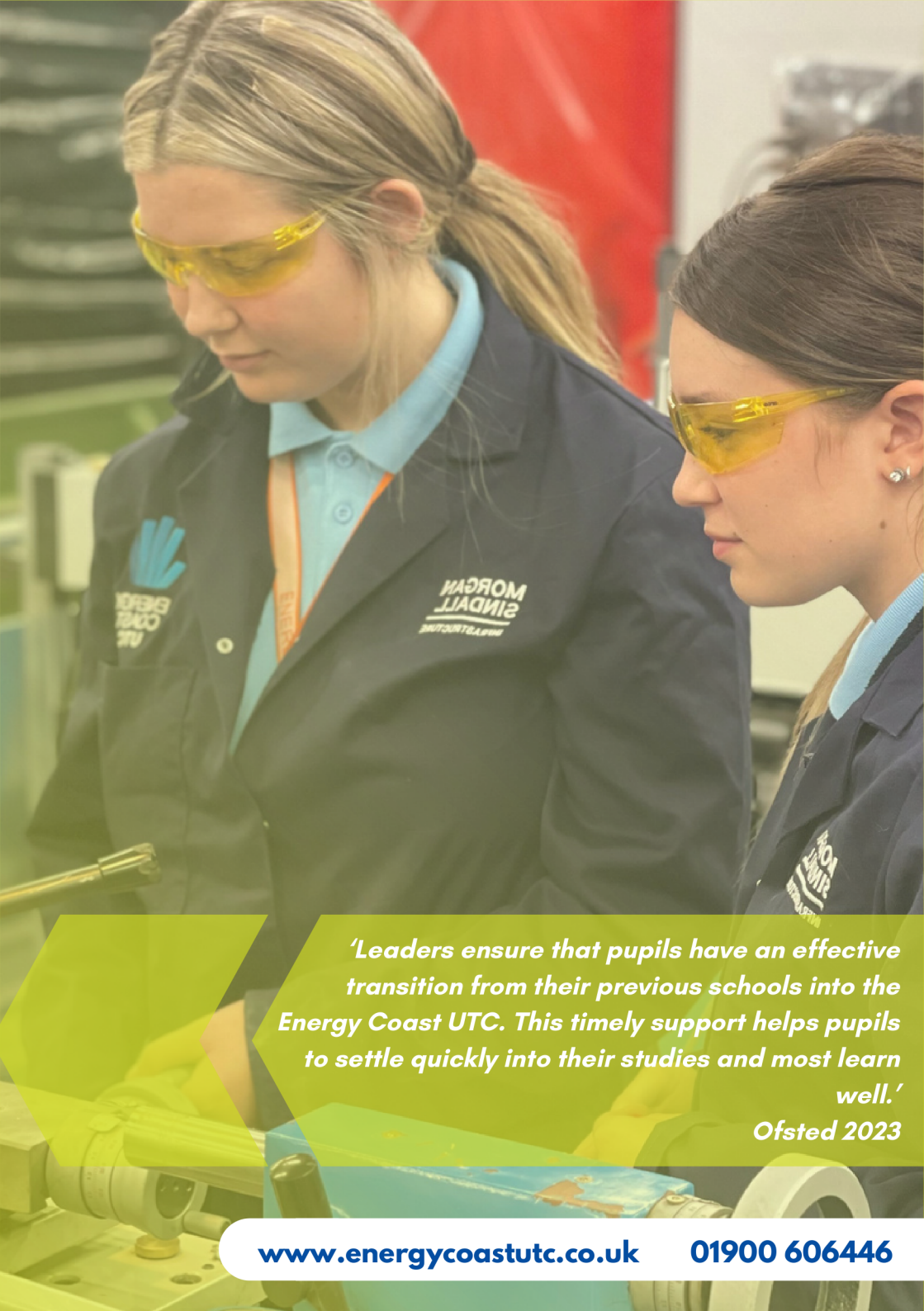




# ENERGY COAST UTC

ENGINEER YOUR FUTURE!





*'Leaders ensure that pupils have an effective transition from their previous schools into the Energy Coast UTC. This timely support helps pupils to settle quickly into their studies and most learn well.'*

*Ofsted 2023*