



Part of Middlesbrough College

**TECHNICAL
TRAINING
EXCELLENCE**

ENGINEERING at TTE



**Industry-focused study programmes
and apprenticeships for school leavers**

2027-28

WELCOME to TTE

“It’s an incredibly exciting time to join TTE.

“For decades, TTE has been renowned for producing highly skilled, work-ready engineers who succeed in roles locally, nationally and internationally. We are proud to continue building this legacy, delivering globally recognised engineering education that is rooted in industry.

“Our world-class £30m TTE facilities provide an exceptional environment to learn, develop and progress, while our industry-led training provides the foundation for a career with real purpose and possibility, ensuring learners gain the technical knowledge, hands-on experience and professional behaviours employers demand.



“In partnership with Middlesbrough College, we’re excited to continue shaping the engineers of tomorrow. Wherever your career takes you, we’re here to help you take that first step.”

Jonathan Inglesfield

Assistant Principal for Construction, Engineering and TTE



Start your career in **INDUSTRY**



If you're leaving school this year and want to help shape the future through engineering, there's no better place to begin than with TTE and Middlesbrough College.

We're leaders in technical training and are proud to offer prestigious, sector-led technical study programmes and apprenticeships that launch your career in industry.

Led by industry experts, our training sets you apart in a competitive field and caters to a range of specialist areas, with trade-specific courses and apprenticeships for the oil and gas, process, manufacturing and engineering sectors.

All our full-time programmes are industry-recognised and accredited by professional bodies, ensuring you gain the technical skills, experience and industry expertise employers value.

WE OFFER PROGRAMMES IN

- ➔ Mechanical and Manufacturing
- ➔ Electrical and Electronic
- ➔ Instrumentation and Control
- ➔ Process Operations
- ➔ Renewable Energy

WHY STUDY WITH US?

At TTE, we combine unrivalled industry partnerships with decades of specialist training, all backed by our proven success in developing highly skilled graduate engineers.

Our programmes are built around in-demand industry needs, ensuring you gain the technical knowledge, hands-on experience and qualifications employers are looking for.

From day one, we'll help you build a strong foundation for a successful career in engineering.



Students can enhance their CVs by undergoing training in:

- ➔ Health and Safety
- ➔ Risk Assessments
- ➔ Work Permits
- ➔ Working at Height
- ➔ Working in Confined Spaces
- ➔ Manual Handling
- ➔ First Aid at Work



93%

of our learners go into higher education, an apprenticeship or full-time employment.

WHAT YOU CAN EXPECT

- Industry-recognised technical qualifications that open doors to exciting career pathways
- Hands-on, workshop-based training that gives you real insight into industry and the world of work
- Support with English and maths to boost your confidence, capabilities and opportunities
- Life-skills development sessions to enhance your employability and personal growth
- Confidential pastoral support whenever you need it
- A safe, inclusive and supportive environment that values equality, diversity and equal working opportunities
- Clear progression routes into apprenticeships and full-time roles in industry
- Access to some of the best student perks in the region (see page 19!)
- A dedicated work placement team to help you secure meaningful and relevant work experience opportunities



WORLD-CLASS TRAINING AND FACILITIES

Opened in 2024, our £12 million TTE training centre offers training that doesn't just prepare you for industry – it is industry. Here, you'll learn directly from industry experts, train in industry-standard facilities, and benefit from our strong connections to hundreds of local and national employers.

Located at Middlesbrough College's Middlehaven campus, this facility is a UK centre of excellence for STEM

subjects and has the capacity to train over 300 full-time students, 300 apprentices and 500 adult learners each year, plus a thriving cohort of international students.

It's built to the highest sustainability standards, including a full photovoltaic solar roof, and places you at the forefront of your chosen field with access to cutting-edge equipment and industry-standard working environments.



KEY FEATURES INCLUDE

- ➔ Seven multi-disciplinary engineering workshops, fully equipped for Instrumentation, Electrical and Electronic, Mechanical, Hydraulics, Pneumatics, Process Operations, and Net Zero Low Carbon Technology workspaces
- ➔ Modern breakout classrooms and dedicated study spaces designed to support collaborative and independent learning

- ➔ Student social and welfare areas, designed to support wellbeing and community
- ➔ Easy access to wider campus facilities and excellent transport links

This new centre reflects our commitment to delivering industry-led, future-ready training that sets our students apart in a competitive global workforce.

ENTRY REQUIREMENTS AND STUDY MODES

All TTE full-time courses are Level 3 qualifications. To apply, you must have achieved GCSEs at Grades 4/5 or above, including English language, maths and science, or have achieved a Level 2 in an appropriate qualification.

Specific entry requirements for each course can be found on pages 10–12.

T Level Qualifications vs other Vocational and Technical Qualifications: What's the difference?

T Levels

T Levels are two-year programmes that combine classroom learning with industry experience and feature a minimum 45-day work placement. They are developed in collaboration with employers and assessment is through employer-set projects, practical assignments and examinations. This study mode will suit you if you want significant hands-on experience with an employer.

BTECs

BTEC courses are technical vocational qualifications and are equivalent to a T Level. They are designed to help you develop the practical skills and technical knowledge employers are looking for within your chosen specialist sector. You will study over two years and be assessed through assignments, presentations, projects and exams.

This study mode will suit you if you prefer coursework and a broader engineering qualification.

**Ready to apply?
Apply early!**

TTE is one of the most popular places to study engineering, so **places fill quickly**. If you're thinking about joining us, don't wait!

Please see the full step-by-step application process on pages 20–21.

UNDERSTANDING OUR STUDY PROGRAMMES

Our study programmes equip you with a wide range of transferable skills alongside your main qualification, preparing you for industry and ensuring you can take your next step with confidence.

Main study programme

Studied for two years with opportunities to transfer onto an apprenticeship.

Progression onto an apprenticeship, higher education or employment.

Practical skills in the workplace

English, maths and science

Focus on attendance and industry behaviours

Work experience/placement

Thrive Personal Development

Sessions include:

- Team building
- First aid
- Soft skills for employment
- UCAS application support
- CV writing
- Interview skills
- Safeguarding and Prevent training
- Self-study skills
- Enrichment and sports activities
- Trips and visits
- Digital skills
- Communication skills



Our COURSES

Our courses cater for a wide range of specialist sectors in the engineering industry, including oil and gas, process, manufacturing, renewable energy and engineering.

All our courses are studied over two years.

MECHANICAL ENGINEERING

Mechanical engineering is all about designing and building machines, equipment and systems that make industry production and everyday life easier.

Level	Course Title	Entry Requirements
3	BTEC – Advanced Manufacturing Engineering (Mechanical)	4 GCSEs at Grade 4 or above, including English language, maths and science, or an appropriate Level 2 qualification.
3	T Level – Design and Development for Engineering and Manufacturing (Mechanical)	5 GCSEs at Grade 5 or above, including English language, maths and science.
3	T Level – Maintenance, Installation and Repair for Engineering and Manufacturing (Mechanical)	5 GCSEs at Grade 5 or above, including English language, maths and science.
3	T Level – Maintenance, Installation and Repair for Engineering and Manufacturing (Mechatronics)	5 GCSEs at Grade 5 or above, including English language, maths and science.

FUTURE CAREERS IN ENGINEERING

*Discover more career information through Pathways



Average salaries

(Source Pathways*)

- ➔ Mechanical Engineer – £51,110
- ➔ Process Engineer – £47,950
- ➔ Electrical Engineer – £60,300
- ➔ Quality Control Engineer – £43,590
- ➔ Water Plant Operative – £39,690

MANUFACTURING ENGINEERING

Manufacturing engineering focuses on how products are made efficiently and effectively and managing production processes using engineering principles and modern technologies.

Level	Course Title	Entry Requirements
3	BTEC – Advanced Manufacturing Engineering (General)	4 GCSEs at Grade 4 or above, including English language, maths and science, or an appropriate Level 2 qualification.

ELECTRICAL AND ELECTRONIC ENGINEERING

Electrical engineering focuses on the design, operation and innovation of technologies used in industry, communications and manufacturing that power our modern world.

Level	Course Title	Entry Requirements
3	BTEC – Electrical and Electronic Engineering *	4 GCSEs at Grade 4 or above, including English language, maths and science, or an appropriate Level 2 qualification.
3	T Level – Maintenance, Installation and Repair for Engineering and Manufacturing (Electrical) *	5 GCSEs at Grade 5 or above, including English language, maths and science.

PROCESS ENGINEERING

Process engineering is about improving and managing the systems used in manufacturing products on a large scale, using problem-solving skills and science to support industries.

Level	Course Title	Entry Requirements
3	BTEC – Advanced Manufacturing Engineering (Process)	4 GCSEs at Grade 4 or above, including English language, maths and science, or an appropriate Level 2 qualification.

INSTRUMENTATION AND CONTROL ENGINEERING

Instrumentation and control engineering is essential across industries, focused on measuring and maintaining machines and systems to keep production processes safe and high-quality.

Level	Course Title	Entry Requirements
3	BTEC – Instrumentation and Control Engineering*	4 GCSEs at Grade 4 or above, including English language, maths and science, or an appropriate Level 2 qualification.

RENEWABLE ENERGY ENGINEERING

Renewable energy engineering is about finding smart, clean ways to power the world using natural resources, figuring out how to make systems work better and produce more energy.

Level	Course Title	Entry Requirements
3	BTEC – Renewable Engineering*	4 GCSEs at Grade 4 or above, including English language, maths and science, or an appropriate Level 2 qualification.

*IMPORTANT

Due to popular demand, if you are applying for **Electrical and Electronic, Renewable Energy, and/or Instrumentation and Control**, you must submit your application before 25th January 2027 to be considered as part of the main recruitment process for TTE.





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SPORTS ACADEMIES

Launched in 2012, MC ELITE (Elite Level Institute of Training & Excellence) is where precision meets power, strategy meets strength, and ambition meets performance.

As a top performing college, we are proud to offer specialist top-level coaching, scholarships, and fantastic opportunities to compete in championships and top leagues nationally.

Sports Academies:

- \\ **Basketball**
- \\ **Cricket**
- \\ **Esports**
- \\ **Men's Football**
- \\ **Women's Football**
- \\ **Golf**
- \\ **Gymnastics**
- \\ **Swimming**
- \\ **Volleyball**



THINK | TRAIN | PLAY **LIKE AN ATHLETE**

You don't need to be studying a sports course to take part in one of our Sports Academies!



Progressing to an **APPRENTICESHIP**

If you're interested in an engineering apprenticeship with TTE, you will first need to apply for a full-time study programme.

Throughout the year, employers request an intake of apprentices from TTE and we open these opportunities up to our full-time students.

If successful, students will seamlessly transfer onto the

apprenticeship pathway and continue their qualification on a day-release basis.

This route allows students to continue their studies while gaining valuable hands-on experience with their new employer.

We work with over 2,000 employers, including:

CATERPILLAR

intellect

AngloAmerican

sembcorp

PARALLOY

LABMAN

elringklinger

cpi

**BRITISH
STEEL**

SēAH Wind

amentum

Quorn

**edf
ENERGY**

**TC
TEES
COMPONENTS**

**Applied Integration
Digital Innovation**

We are
officially
OFSTED
Outstanding for
Apprenticeships!

OFSTED 2024



Apprenticeships **EXPLAINED**

An apprenticeship is a great way to gain the essentials employers are looking for: qualifications and experience.

As an apprentice, you'll be employed by a company and gain valuable, hands-on experience by working alongside industry professionals, all while earning a wage and developing the skills and knowledge needed for your chosen career.

You'll usually spend one day a week at college alongside your job, studying for an industry-recognised qualification. With an apprenticeship under your belt, you'll have achieved a recognised qualification and have the essential skills and experience employers want!

Benefits to you:

- ✓ Earn a wage
- ✓ Gain a recognised qualification
- ✓ Receive hands-on training
- ✓ Learn job-specific skills which can only be acquired in the workplace

EARN AS YOU LEARN!

Middlesbrough College works with hundreds of top employers across the North East. New apprenticeship vacancies are made available throughout the year; check out mbro.ac.uk or scan the QR for more details!



We're officially ranked in the **TOP 10** general further education colleges in the country for apprenticeship achievement in 2024/2025!



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Employer partners:



The Engineering SCHOLARSHIP PROGRAMME

Launched in 2024, Middlesbrough College is proud to offer the Engineering Scholarship Programme to our top-performing Level 3 engineering students in their second year of study.

This pioneering initiative is supported by major employers to help nurture the engineers of tomorrow by connecting eligible students with industry partners. Scholars receive a high-quality work placement, with the potential to secure a job or apprenticeship interview upon completion.

Scholars benefit from a wide range of opportunities, including:

- One-to-one mentoring and industry insight
- Guest talks and site visits
- Company-branded PPE
- Structured work experience placement
- Monthly bursary of £200

The Engineering Scholarship Programme covers various engineering disciplines, including:

- Electrical & Electronic Engineering
- Mechanical Engineering
- Instrumentation & Control Engineering
- Mechatronics
- Welding

YOU DON'T HAVE TO GO FAR TO GO FURTHER!

Give yourself a competitive edge with globally recognised specialist qualifications at University Centre Middlesbrough, part of Middlesbrough College.

We're proud to offer a high-quality progression route for our engineering students, providing a seamless pathway from Level 3 study to higher education – without the need to leave the region.

Our programmes include Pearson-awarded HNC and HND qualifications, as well as Level 6 one-year top-up degrees awarded by The Open University that enable you to complete a full honours degree.

UCM offers:

- ➔ Higher National Certificates (HNC) in Engineering
- ➔ Higher National Diplomas (HND) in Engineering
- ➔ BEng (Hons) Top-up Degrees in Engineering

M**C**

**UNIVERSITY CENTRE
MIDDLESBROUGH**



NORTH EAST

I	N	S	T	I	T	U	T	E	O	F
T	E	C	H	N	O	L	O	G	Y	



Pearson

We are proud to be one of the leading providers in technical education. Look out for the IOT badge on our courses!

WE SUPPORT YOU

Additional Learning Support (ALS)

- Dyslexia and Dyscalculia support tutors
- Extra English and maths support
- Communication support
- IT trainers for visually impaired students

Careers Team

- One-to-one careers guidance
- CV support
- Job and apprenticeship search, application and interview support
- UCAS application support
- Employability skills development



Awards and Rewards

We reward great performance and have monthly attendance awards where you can win vouchers. Alongside this, we have an annual awards celebration, where our top-performing students get the recognition they deserve. We also have regular giveaways where you can win amazing prizes!

STUDENT PERKS

We offer some of the best student perks in the region, including:

TRAVEL

- FREE* or discounted weekday bus travel up to 7pm, to and from campus
- Shuttle bus for all students between Middlesbrough Bus Station and main campus
- FREE** reimbursed weekday train travel to and from Middlesbrough Train Station
- FREE car parking for students (first come, first served basis)

**Household income must be under £100k. For students with a household income over £100k, travel is £60 per term.*

***Household income must be under £100k. Listed stations and subject to purchase of a 16-17 saver rail card which will be refunded. Please see our website for up-to-date detail and eligibility criteria.*

MC CLICK FREE LOAN LAPTOP SCHEME

To support learning both in college and at home, all full-time students aged 16-19 (or 16-24 with SEND) can borrow a laptop free of charge through the MC Click FREE Loan Laptop Scheme.

Students must return the laptop when they leave the College. A charge of £50 will apply for repairable damage. If a laptop is lost, not returned, or damaged beyond repair, the student will be required to pay the full replacement cost.

ADDITIONAL BENEFITS

- Financial support including bursaries (£3 per day), help with equipment, trips, childcare and other course-related costs
(Subject to eligibility and means testing. Household income must be under £45k)
- 20% off hair and beauty treatments, plus a free haircut in your first term
- College gym membership for just a one-off annual £10 fee!
- FREE* college meals (*if you currently receive free school meals, this could continue at college, please see our website for eligibility criteria)
- 10% off food on campus



How to **APPLY FOR TTE**

STEP 1

Be Application Ready

Before you apply, you must have:

- A personal email address (not your school email)
- WhatsApp  WhatsApp on your phone

This is how we will contact you with updates about your application.

STEP 2

Apply

Visit tte.co.uk or mbro.ac.uk, find your course and click "Apply Now".

IMPORTANT: For **Electrical and Electronic, Renewable Energy**, and/or **Instrumentation and Control** courses, you **must** submit your application before 25th January 2027 to be considered as part of the main recruitment process for TTE.

STEP 3

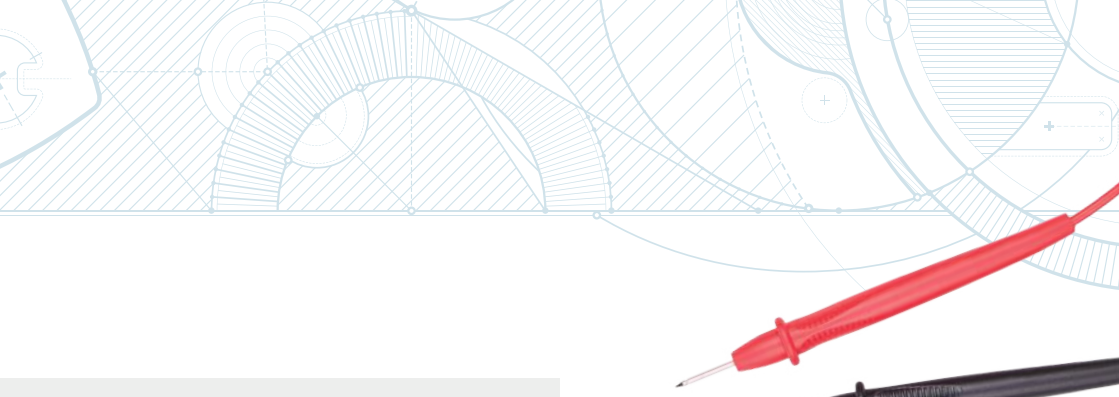
Showcase Event

Next, we'll invite you to a Showcase Event. Showcase Events run from October 2026 to Mid February 2027.

This is your chance to visit us, meet our tutors and ask any questions to make sure the course you are considering is right for you.

You must attend to be offered a conditional place.





STEP 4

Conditional Offer

If successful, you will receive a conditional offer by email and letter with your next steps.

This offer is subject to your GCSE results.

Please be aware, all offers at TTE are conditional, subject to attaining the entry requirements, completing the full onsite enrolment process and course place availability.

STEP 5

Accept Your Offer

You can accept your conditional offer at your Showcase Event, by phone or via email.

It is essential that you accept your offer to secure your conditional place at TTE.

For Electrical and Electronic Engineering, Renewable Energy, and Instrumentation and Control the **deadline to accept conditional offers is Friday 26th February.**

STEP 6

Enrolment

Enrolment begins from GCSE results day in August, and you'll be allocated a specific date and time to enrol with us.

You must attend this appointment to secure your place for September 2027.

If you can't make your appointment, please contact the Admissions Team as soon as possible!

Middlesbrough College and TTE enrolment is from the 19th – 27th August 2027.

Please note: If you take a holiday during this period and are not able to enrol, we may not be able to guarantee a place on your first-choice course.

COME VISIT US!

Come and see first-hand what studying at TTE and Middlesbrough College is like!

Our open events are the perfect opportunity to chat with tutors, explore our facilities and ask any questions you may have. You can even apply when you visit us!

Our Open Events will take place on:

Date	Time
Thursday 1st October 2026	5:15pm – 7:30pm
Wednesday 7th October 2026	5:15pm – 7:30pm
Saturday 7th November 2026	9:30am – 12:00pm
Thursday 3rd December 2026	5:15pm – 7:00pm
Wednesday 20th January 2027	5:15pm – 7:00pm
Wednesday 10th March 2027	5:15pm – 7:00pm
Thursday 6th May 2027	5:15pm – 6:30pm
Tuesday 15th June 2027	5:15pm – 6:30pm
Apprenticeship Expo Tuesday 9th February 2027	4:00pm – 6:00pm

To find out more about our Open Events, Taster Days or to book a one-to-one tour, call our friendly Schools Team on **01642 333800** or email **schoolsteam@mbro.ac.uk**





Zac Cessford

Level 3 Engineering
Maintenance Technician
Apprenticeship with
British Steel

Zac Cessford, an apprentice with British Steel, took gold in Renewable Energy at the National WorldSkills Competition.

Zac's victory came after completing a series of challenging tasks over two days, including flying a drone over a simulated roof to inspect solar panels, mechanical maintenance, electrical fault finding, vibration monitoring on a Nacelle and installing consumer units with a PV (Solar Panel).

"I just entered the competition because it sounded like a great opportunity. I really enjoyed the experience, and it was fantastic to meet other students and industry professionals. I'm proud to have come away with gold and I'm excited about the chance to represent Team GB in Japan in 2028!"

STUDENT TESTIMONIALS

"I originally wanted to do more hands-on learning rather than being sat in a classroom, I wanted to get the best experience for industry and be trained on-site.

"Engineering is such an exciting career, and I am glad to have kick-started my career in it with an apprenticeship!"



Alisha Massey

Level 3 Mechanical
Fitter Apprenticeship
with CF Fertilisers



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While every effort is made to ensure the accuracy of information in this guide, it is advisable to check information prior to application and enrolment. The college reserves the right to amend information at any time and cancel programmes if there is insufficient enrolment.

tte.co.uk

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admissions@mbro.ac.uk

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September 2026