

# Engineering at TTE

## 2026/2027

Industry-focused study programmes and  
apprenticeships for school leavers

# Welcome to TTE

“

It's an incredibly exciting time to join TTE. With the launch of our world-class £12m TTE training centre in 2024, we are building on a proud legacy of delivering globally recognised engineering education that is rooted in industry.

For decades, TTE has been renowned for producing highly skilled, work-ready engineers who succeed in roles locally, nationally and internationally. Our 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 Group, we're proud to continue shaping future engineers. Wherever your career takes you, we're here to help you take that first step. ”

**John Cooke**  
**Associate Director of TTE**



# Start your career in industry

**If you're leaving school this year and want to build a rewarding career in engineering, there's no better place to begin than Middlesbrough College & TTE.**

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 & gas, process, manufacturing and engineering sectors.

## **We offer programmes in:**

- Mechanical Engineering
- Electrical & Electronic Engineering
- Instrumentation & Control Engineering
- Process Operations Engineering
- Wind Turbine Technology

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





# 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.

**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 15!)
- A dedicated work placement team to help you secure meaningful and relevant work experience opportunities

# World-class training & 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.

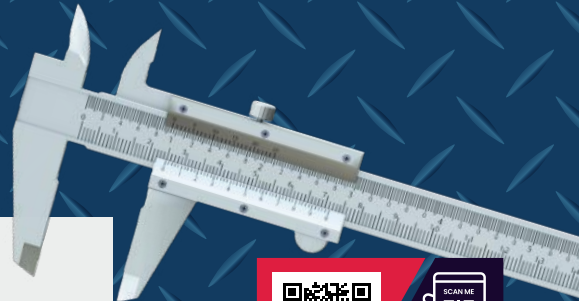
Located at Middlesbrough College's Middlehaven campus, this new facility is a UK centre of excellence for STEM subjects and has the capacity to train over 300 full-time students, 300 apprentices and 500 adult learners each year, plus a thriving cohort of international students.

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 & Electronic Engineering, Mechanical, Hydraulics, Pneumatics, Process Operations Engineering, 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

# Where to start?



## GCSE Grades

9 – A\*  
8 – A\*  
7 – A  
6 – B  
5 – B/C  
4 – C  
3 – D  
2 – E  
1 – F/G  
U – U

## Course Levels and Entry Requirements

Not sure what level is right for you? Your GCSE grades will determine what level course you start your studies on.



## Levels Guide

**Level 2:** You must have achieved an appropriate Level 1 vocational qualification and/or GCSEs at mostly Grade 3 or above.

**Level 3:** Level 3 qualifications include A Levels, vocational courses (including Extended Diplomas, Diplomas and Certificates), T Levels and apprenticeships.

You must have achieved an appropriate Level 2 vocational qualification and/or four GCSEs at Grade 4/5 or above.

**T Levels:** T Levels are a Level 3 qualification, equivalent to three A Levels, and require a minimum of five GCSEs at Grade 5 or above, including maths, English and for some programmes, science.

**Please note that entry requirements for T Levels vary depending on which T Level course is chosen.**



# 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

Progression to 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 sales for employment
- UCAS application support
- CV writing
- Interview skills
- Safeguarding & Prevent training
- Self-study
- Enrichment
- 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 & gas, process, manufacturing, wind and engineering.

### Technical courses

Technical vocational courses are designed to give you the skills and knowledge for your chosen specialist sector. Studied over two years, they're assessed through assignments, presentations, projects and examinations.

### T Levels

T Levels combine classroom learning with industry experience and feature a minimum 45-day work placement. They are developed in collaboration with employers and are assessed through employer-set projects, assignments and examinations.

### Mechanical Engineering

Level	Course Title	Entry Requirements	Duration
2	Performing Engineering Operations – Mechanical Engineering	You must have achieved at least a grade 3 in GCSE English language, maths and science.	1 year
3	Advanced Manufacturing Engineering (General)	You must have achieved an appropriate L2 vocational qualification and/or four GCSEs at grade 4/5 or above that must include maths, English language and science.	2 years
3	Engineering Technologies (Mechanical)		
3	Maintenance Installation and Repair (Mechanical)	Five GCSEs at grade 5 or above including maths, English language and science.	2 years
3	Maintenance Installation and Repair (Mechatronics)		
3	Design and Development (Mechanical)		



## Manufacturing Engineering

Level	Course Title	Entry Requirements	Duration
3	<b>Advanced Manufacturing Engineering (Mechanical)</b>	You must have achieved an appropriate L2 vocational qualification and/or four GCSEs at grade 4/5 or above that must include maths, English language and science.	2 years
3	<b>Advanced Manufacturing Engineering (General)</b>		

## Electrical and Electronic Engineering\*

Level	Course Title	Entry Requirements	Duration
2	<b>Performing Engineering Operations (Electrical)*</b>	You must have achieved at least a grade 3 in GCSE English language, maths and science.	1 year
3	<b>T Level Maintenance Installation and Repair (Electrical and Electronic)*</b>	Five GCSEs at grade 5 or above including maths, English language and science.	2 years
3	<b>Electrical and Electronic Engineering*</b>	You must have achieved an appropriate L2 vocational qualification and/or four GCSEs at grade 4/5 or above that must include maths, English language and science.	

### \*IMPORTANT

Due to popular demand, if you are applying for Electrical and Electronic Engineering courses or Instrumentation and Control courses, you must submit your application before 26th January 2026 to be considered as part of the main recruitment process for TTE. See page 16 for more information.

**Don't worry if you don't have the entry requirements for a T Level. Our friendly team can talk you through your options, including our T Level Foundation courses!**

# Our courses

## Process Operations

Level	Course Title	Entry Requirements	Duration
3	<b>Advanced Manufacturing Engineering (Process Engineering)</b>	You must have achieved an appropriate Level 2 vocational qualification and/or four GCSEs at grade 4/5 or above that must include maths, English language and science.	2 years

## Instrumentation and Control Engineering\*

Level	Course Title	Entry Requirements	Duration
3	<b>Instrumentation and Control Engineering*</b>	You must have achieved an appropriate Level 2 vocational qualification and/or four GCSEs at grade 4/5 or above that must include maths, English language and science.	2 years

## Wind Turbine Technology

Level	Course Title	Entry Requirements	Duration
3	<b>Performing Engineering Operations (Renewable Energy)</b>	You must have achieved at least a grade 3 in GCSE English language, maths and science.	2 years

### \*IMPORTANT

Due to popular demand, if you are applying for Electrical and Electronic Engineering courses or Instrumentation and Control courses, you must submit your application before 26th January 2026 to be considered as part of the main recruitment process for TTE. See page 16 for more information.

# AIM HIGHER WITH OUR SPORTS ACADEMIES

**Are you as passionate about sport as you are about your studies?**

Whether your passion lies on the pitch or in the pool, take your skills to the next level with a Sports Academy at TTE and Middlesbrough College!

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
- ✖ Pro 16 Men's Football
- ✖ Women's Football
- ✖ Golf
- ✖ Gymnastics
- ✖ Swimming
- ✖ Volleyball

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

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



# Progressing onto an apprenticeship



**If you're interested in pursuing an apprenticeship, we strongly recommend also applying for a full-time study programme in your chosen specialism.**

Throughout the year, when an employer requests an intake of apprentices, we open these opportunities up to our full-time students. If successful, students can seamlessly transfer onto the apprenticeship pathway and continue their qualification with us on a day-release basis. This route allows students to continue their studies while gaining valuable hands-on experience with their new employer.



**Many of our students progress into apprenticeships each year!**

**We work with over 2,000 employers, including:**





# Apprenticeships explained

**NORTHERN  
SKILLS**

Scan here to view our latest vacancies!



**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 from day one. You'll 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.

## 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

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!

## Earn as you learn!

**Northern Skills is the apprenticeship and training arm of Middlesbrough College Group, working with hundreds of top employers across the North East!**

**New apprenticeship vacancies are made available throughout the year, please check our website for new roles: [northernskills.co.uk](https://northernskills.co.uk)**

**We're officially the number one General Further Education College in the country for apprenticeships in 2023/2024!**



# The Scholarship Programme

**Launched in 2024, Middlesbrough College Group 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.

## Employer partners:



**Scholars benefit from a wide range of opportunities, including:**

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

**The Engineering Scholarship Programme covers various engineering disciplines, including:**

- Electrical & Electronic Engineering
- Mechanical Engineering
- Instrumentation & Control Engineering
- Mechatronic
- 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 Group.**

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 to you complete a full honours degree.

## **Qualifications we offer:**

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



NORTH EAST

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

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 support tutors
- Dyscalculia support tutors
- Additional English and maths support
- Communication support
- IT trainers for the visually impaired

## Careers Team

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



## Awards and Rewards

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

See what our current  
students have to say!





# Student perks

Scan here for more information about our bursary packages!



## 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

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

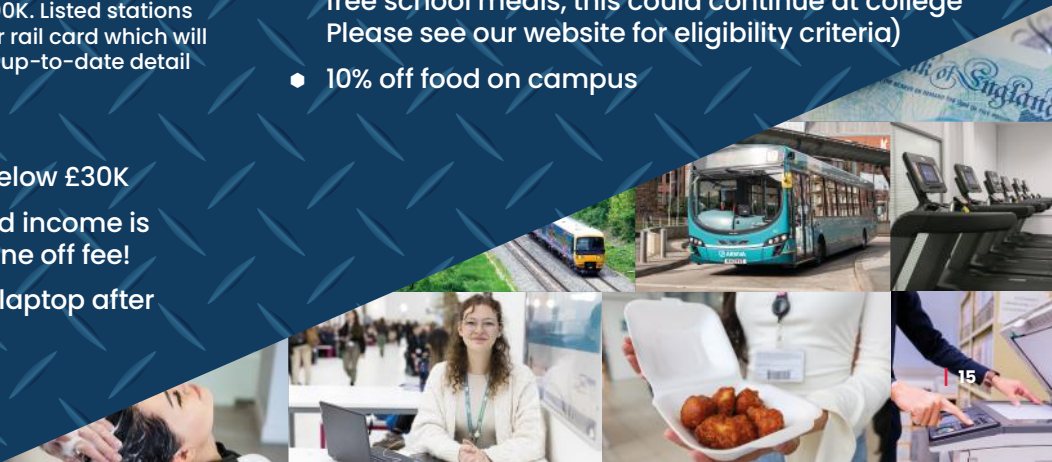
\*\*Household income must be under £100K. Listed stations and subject to purchase of a 16-17 saver rail card which will be refunded. Please see our website for up-to-date detail and eligibility criteria.

### MC Click Laptop\*

- FREE if household income falls below £30K
- £50 one-off fee if your household income is above £30K, there is just a £50 one off fee!
- All students can keep their loan laptop after two years

\*For 2025/27 first year students only

- Financial support including bursaries, help with equipment, trips, childcare and other course-related costs (all subject to eligibility and means testing)
- 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 [mbro.ac.uk](http://mbro.ac.uk) or [tte.co.uk](http://tte.co.uk), find your course and click 'Apply now'.

**Important:** For Electrical Engineering and Instrumentation and Control courses, you must submit your application before 26th January 2026 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.

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

You must attend to be offered a conditional place.

For Electrical Engineering and Instrumentation and Control courses, you'll also be required to complete an aptitude test.

Due to limited places, conditional offers will be made to applicants with the highest test score.



## 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.

Conditional offers will be issued by the end of February 2026 for Electrical Engineering and Instrumentation & Control courses, dependant on aptitude scores and predicted GCSE results.

If you apply for these courses after this cut off point, you will be contacted about the waitlist.

## 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.

## 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 2026.

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

**Middlesbrough College and TTE enrolment is from the 20th – 28th August 2026.**

**Please note:** If you take 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!

Have a question  
or want to  
visit? Meet our  
Schools Team!



**Come see first-hand what studying at Middlesbrough College and TTE 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 2nd October	5:00pm – 7:30pm
Wednesday 8th October	5:00pm – 7:30pm
Saturday 8th November	9:30am – 12noon
Thursday 4th December	5:00pm – 7:00pm
Wednesday 21st January	5:00pm – 7:00pm
Wednesday 11th March	5:00pm – 7:00pm
Thursday 7th May	5:00pm – 7:00pm
Tuesday 16th June	5:00pm – 6:30pm
<b>Apprenticeship Expo</b> Tuesday 10th February	2:00pm – 6:00pm



Lucy

Ellie

Coby

Meg

Jen



To find out more about our Open Events or Taster Days call our friendly schools team on **01642 333800** or email **[schoolsteam@mbro.ac.uk](mailto:schoolsteam@mbro.ac.uk)**



**Charlie Sidgwick**  
Level 3 Electrical Engineering  
Apprenticeship with Quorn

“With the help from TTE, I secured an apprenticeship at Quorn and, after completing my apprenticeship, I was then offered full-time employment with the company. Since then, I’ve worked across the whole site, from the plants to the offices doing electrical maintenance, insulations and breakdown. I’ve also achieved an Electrical Engineering HNC.”

“I came to TTE when I finished school, as I always wanted to pursue a career in engineering and TTE was highly recommended. I also wanted to do more hands-on learning rather than being in a classroom and get the best experience for industry by being trained on-site.

I learnt so much from my tutors and they are always on hand to answer any questions I have; they make everyone feel welcome and are incredibly supportive.

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



**Alisha Massey**  
Level 3 Mechanical Fitter  
Apprenticeship with CF Fertilisers



# Step into your future today



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

# **tte.co.uk**

**01642 333800**

**schoolsteam@mbro.ac.uk**



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Dock Street  
Middlesbrough  
TS2 1AD



**TTE is part of the Middlesbrough College Group.**

September 2025