



# ENGINEERING SHOWCASE

**NORTHERN  
SKILLS**

**M C**  
Middlesbrough  
College Group

**TTE**

# Predicted Grades Form

Please fill in this form **after** the presentation with as much detail as you can.

## **Why do I need to fill this in?**

So we can help you choose the right course and give you the support you need when you start.

If you miss this step, we might not be able to confirm your place.



Scan the QR code using  
your smartphone camera

*We also have paper copies of this form if you need one, please just ask!*

# Entry Requirements

<b>Level 2</b>	At least a grade 3 in GCSE English language, maths and science.
<b>T Level Foundation</b>	At least a grade 4 in GCSE English language, maths and science.
<b>Level 3</b>	Four GCSEs at grade 4/5 or above that must include maths, English language and science. OR An appropriate Level 2 vocational qualification
<b>T Level</b>	A minimum of 5 GCSEs at grade 5 and above including, maths, English and Science. <b>You can't retake GCSE Math or English on a T Level</b>

The grades you need are correct at the time of this event. Before you enrol, check the College website to make sure you still meet the grade requirements.

# Courses

In the Engineering Department, we have these courses for students aged 16 to 18:

- Level 2 Performing Engineering Operations (Mechanical)
- Level 3 BTEC Diploma in Advanced Manufacturing Engineering (Mechanical)
- Level 3 Advanced Manufacturing Engineering (General)
- Level 3 BTEC Extended Diploma in Advanced Manufacturing Engineering (Mechanical)
- Level 3 BTEC Extended Diploma in Advanced Manufacturing Engineering (Process)
- T Level – Design and Development (Mechanical)
- T Level – Maintenance, Installation and Repair (Mechanical)
- T Level – Maintenance, Installation and Repair (Mechatronics)

We have adult courses too, like Access to HE, short part-time courses, and even university-level learning.

# Level 2

## Level 2 EAL Performing Engineering Operations(Mechanical)

### **Delivery Model:**

80% of the time in College is in the workshops completing practical activities. 20% Theory in classroom.

### **How am I assessed?**

Practical Skills Test

Portfolio of evidence

Underpinning Knowledge Questions

### **Progression:**

EAL L3 Dip Engineering Technology  
(Mechanical)

### **What will I study?**

Modules *may* include:

- Health & Safety
- Hand Tools
- Compressors
- Centrifugal Pumps
- Working Efficiently
- Locking Devices
- Valves

### **GCSE Maths and English:**

You'll need to attend GCSE classes weekly if you didn't get at least a Grade 4.

# Level 3 BTEC Courses

## Level 3 BTEC Engineering

### **Pathways:**

General Engineering

Mechanical Engineering

Process Engineering

### **Future careers:**

Mechanical Engineer

*Average Salary £40,470*

Production Manager

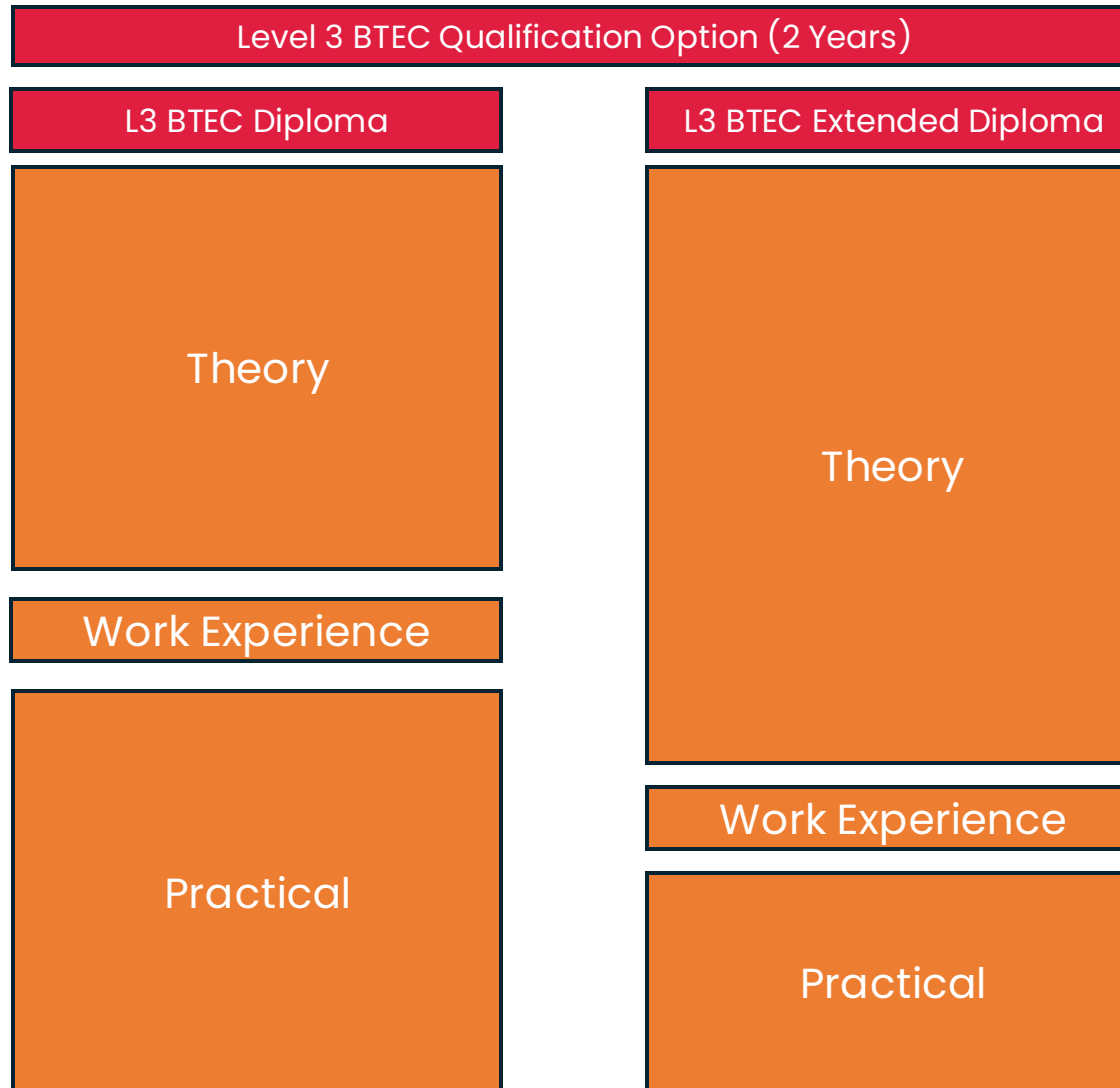
*Average Salary £46,543*

### **What will I study?**

Modules may include:

- Engineering product design and manufacture
- Quality in Engineering
- Maintenance of Mechanical systems
- CAD and fluid mechanics
- Principles of design and design process

# Level 3 BTEC Courses



# BTEC Courses – Mechanical

## Diploma

### Year 1:

- Health & Safety
- Maths
- Mechanical Systems
- Communications
- Drawing
- CAD

### Year 2:

- Further Maths
- Engineering Materials
- Mechanical Principles
- Design
- Project

## Extended Diploma

### Year 1:

Same as Year 1 Diploma, plus:

- Industry 4.0
- Mechanical Principles
- Materials

### Year 2:

- Primary Forming
- Project
- Lean Manufacturing
- Business
- Hydraulics
- Further Maths
- Further Mechanical Principles
- Thermodynamics

# **BTEC ED Courses – Process**

## **Year 1**

- Maths
- Electrical Principles
- Communication
- Process Measurement
- Process Control
- Material
- Health & Safety
- Mechanical Systems
- Mechanical Principles

## **Year 2**

- Project
- 3 Phase Systems
- DC Machines
- Industry 4.0
- Devices
- Further Maths
- Electrical Measurement

# BTEC ED Courses – General

## Year 1

- Maths
- Electrical Principles
- Mechanical Systems
- Health & Safety
- Mechanical Principles
- Materials
- Drawing
- CAD
- Communication

## Year 2

- Primary Forming
- Project
- Further Maths
- Devices
- PLC's
- DC Machines
- 3 Phase Systems
- Electrical Tech

# BTEC Course Assignments

Year 1 Plan

## Sept – Dec

Health & Safety  
(5 Assignments)

Drawing  
(4 Assignments)

Maths  
(4 Assignments)

**13 Assignments in 11 weeks**

## Jan - March

Mechanical Principles  
(4 Assignments)

CAD  
(5 Assignments)

Mech Systems  
(4 Assignments)

**13 Assignments in 11 weeks**

## April - June

Materials  
(4 Assignments)

Comms  
(4 Assignments)

Industry 4.0  
(3 Assignments)

**11 Assignments in 11 weeks**

# Example Timetable - Vocational

1 – Core Qualification	2 – GCSE Resits
3 – Work Placement	4 – Thrive Personal Development

	Monday	Tuesday	Wednesday	Thursday	Friday
8am					
9am	2 – GCSE Resits	2 – GCSE Resits	1 – Core Qualification	1 – Core Qualification	
10am	2 – GCSE Resits	2 – GCSE Resits	1 – Core Qualification	1 – Core Qualification	
11am	1 – Core Qualification	1 – Core Qualification	1 – Core Qualification	1 – Core Qualification	
12am	1 – Core Qualification	1 – Core Qualification	1 – Core Qualification		
1pm	1 – Core Qualification	4 – Thrive Personal Development	1 – Core Qualification	1 – Core Qualification	
2pm	1 – Core Qualification	4 – Thrive Personal Development	1 – Core Qualification	1 – Core Qualification	
3pm	2 – GCSE Resits	2 – GCSE Resits	1 – Core Qualification		
4pm	2 – GCSE Resits	2 – GCSE Resits	1 – Core Qualification		
5pm			4 – Thrive Personal Development		
6pm					

# T Level

## **What is a T Level?**

T Levels are 2-year courses that teach you job skills.

They're the same as doing 3 A Levels.

Local employers help design them, so you learn what real jobs need. This will help you get a job, go to university, or start an apprenticeship.

You'll spend around 80% of your time in class and 20% at a company placement - each course includes at least 45 days of work experience with a company.

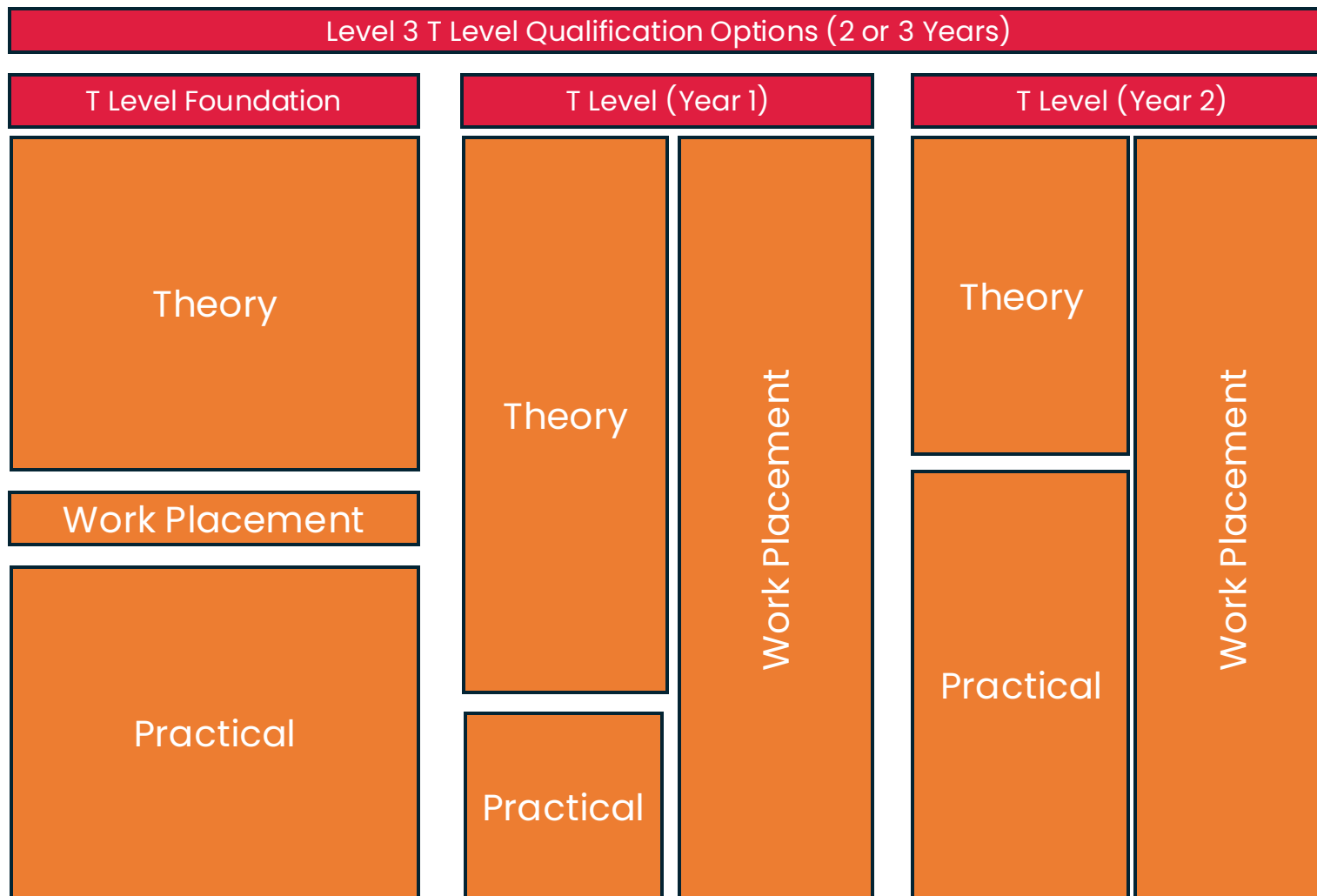
## **How are T Levels marked?**

You'll be assessed through hands-on projects, tasks set by employers, and exams.

**T-LEVELS**

# T Level

### Including the Foundation Year



# T Level Courses

Maintenance, Installation and Repair for Engineering and Manufacturing

## **Pathways:**

Mechanical  
Mechatronics

## **Progression:**

Students can progress on to the HNC/HND Mechanical Engineering at University Centre Middlesbrough at the College.

## **Future Careers:**

Mechanical Engineer  
*Average Salary £40,470*

Production Manager  
*Average Salary £46,543*

## **What will I study?**

- Engineering Product Design and Manufacture
- Quality in Engineering
- Maintenance and Mechanical Systems
- CAD and Fluid Mechanics
- Principles of Design and Design Process

# T Level Courses

Design and Development for Engineering and Manufacturing

## **Pathways:**

Mechanical

## **Progression:**

Students can progress on to the HNC/HND Mechanical Engineering at University Centre Middlesbrough at Middlesbrough College

## **Future Careers:**

Mechanical Engineer  
*Average Salary £40,470*

Production Manager  
*Average Salary £46,543*

## **What will I study?**

You will cover a range of topics, such as:

- Customer and client requirements
- Principles of design
- Design processes
- Communication in design

# Example Timetable – T Level

1 – Core Qualification	2 – GCSE Resits
3 – Work Placement	4 – Thrive Personal Development

	Monday	Tuesday	Wednesday	Thursday	Friday	
8am						
9am	1	1	1	3		
10am	1	1	1			
11am	1	1	1			4
12am	1		4			1
1pm	1	1	1			1
2pm	1	1	1			1
3pm	1	1	1			
4pm	1	1	1			
5pm						
6pm						

# Uniform, kits & PPE

In your planned workshop sessions, you will need to wear the correct PPE (Personal Protective Equipment)

This will be provided by the College **free** of charge.

## **Where can I get this from?**

We will get this for you. You will be asked for information such as your shoe size at enrolment.

## **Will I need the uniform/PPE for my first day?**

Don't worry - you don't need it for your first day.  
PPE is given to you in your first workshop sessions.

# STUDENT PERKS

## Travel



Bus

Shuttle bus

Train



£15 printing credit and subsidised stationery costs



FREE Wi-Fi



10% discount on great food



20% discount on hair and beauty treatments, plus a free haircut in your first term!



College gym membership for just a one-off £10 fee!



FREE\* college meals  
*\*If you currently receive free school meals, this could continue at college.*

## Financial Help



# Next Steps



## Conditional Offer

Your place is conditional, which means you need to:

- Get the grades you need for your chosen course/subjects.
- Keep an eye on our website for any important updates.
- Make sure you get approval from our Learning Support or Safeguarding teams before enrolling if needed.
- Finish the full enrolment process during Main Enrolment – see enrolment slide for details
- Places on your course being available.

Even if you've got an offer, your place on the course isn't confirmed until you enrol.

# Additional Learning Support

Our friendly teams can help you with your learning.

**If you have declared an EHCP:**

**We might pause your application while** The SEN Team speak to the Local Authority to check your plan.

We may also contact you to book an appointment with one of our ALS team leaders.

**Do you have SEN support at school?**

**Ask your school SENCo to share it with us so we can plan the right support for you.**

The Cube Team will help you with things like exam support, dyslexia checks, tutoring, and study skills.

For any support queries, contact: [sen@mbro.ac.uk](mailto:sen@mbro.ac.uk)

# Enrolment

## GCSE Results Day

**It's important that you go to your school and collect your GCSE results on Thursday 20th August.**

We need the paper copy of your results to do your enrolment. If you don't bring it, we won't be able to sign you up for your course.

## Enrolment Information

**Enrolment will take place from Thursday 20th to Friday 28th August** (excluding the weekend and August bank holiday).

Enrolment is by **appointment only** and you'll get a set time for your enrolment in the summer. Try to come at the date and time we give you - this is your **priority** appointment, and it gives you the best chance of getting a place on your first-choice course/subject(s).

If you wait too long or go on holiday during enrolment, your course might fill up - and we might not be able to save your place.

# Applicant Page

Scan the QR code to:

- Accept your course offer
- See this presentation
- Book your Taster Session
- Give us extra information
- Find out about student perks, bursaries, and ways to get to college..
- Lots of other useful information



Scan the QR code using  
your smartphone camera

**You'll also get this as a link in your offer email and letter.**

# 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 Middlesbrough College!



## **Sports Academies:**

- \ Basketball**
- \ Cricket**
- \ Pro 16 Men's Football**
- \ Women's Football**
- \ Golf**
- \ Gymnastics**
- \ Swimming**
- \ Volleyball**

**You don't need to be doing a sports course to take part in one of our sports academies!**

**Middlesbrough College Group is proud to announce an exciting new partnership with Whitby Town Football Club**



# Middlesbrough College Group

## We are Ofsted Good with **Six Outstanding** Features

Behaviour  
and attitudes  
**Outstanding**

Personal  
development  
**Outstanding**

Leadership  
and management  
**Outstanding**

Adult learning  
programmes  
**Outstanding**

Apprenticeships  
**Outstanding**

Provision for learners  
with high needs  
**Outstanding**

# CAREERS AND EXPERIENCE

## Careers Team



**Our Careers Team is here to help you with:**

- › One-to-one careers guidance
- › CV, job and apprenticeship application support
- › University and UCAS application support
- › Employability skills development
- › Grofar – a smart digital tool to plan and track your work placements and enrichment

## Work placements Stand out from the crowd!

Real-world experience gives you a real advantage. That's why work placements are a key part of college life.



# STUDENT SERVICES



**Your wellbeing matters. That's why our Student Services Team is always on hand to support you!**

**We offer:**

- › Free, confidential counselling
- › Dedicated welfare and safeguarding officers

## Additional Learning Support



**Our specialist services include:**

- › Dyslexia / Dyscalculia Support Tutors
- › Extra maths and English support
- › Communication Support Workers for the deaf and notetakers
- › IT trainers for the visually impaired
- › Specialist Learning Support Assistants
- › Assistive technology and software resources
- › Special exam arrangements

# YOUR CAMPUS



Construction Yard



LRC

Fitness Studio



MC Theatre

Waterside Brasserie



Sports Hall and  
Astroturf pitches

Airplane  
Mock Fuselage



Hair and Beauty  
Salons

Campus Heart



Health and Care Ward

Recording Studios



# MODERN FACILITIES

We are always developing our campus and facilities to support the growth of skills in the Tees Valley.



**Electric and Hybrid Motor Vehicle Workshop**



**State-of-the-art Clinical and Community Care Simulation Suite for Health & Care programmes**



**Brand-new Esports room**



**Specialised Welding equipment to meet industry needs**



**7 classrooms and workspaces for Construction, Engineering and TTE**



**State-of-the-art £12m Engineering Technical Training Centre**

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



**At University Centre Middlesbrough you'll find:**

- › Career-focused degrees designed in collaboration with employers
- › The chance to gain professional qualifications alongside your degree
- › Smaller class sizes and more one-to-one support
- › A supportive, close-knit community where you're known by name
- › More teaching hours than traditional universities

**Stay local,  
go higher,  
and get  
career-ready  
with UCM!**



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

# LAUNCH YOUR CAREER WITH AN APPRENTICESHIP



**NORTHERN SKILLS**

APPRENTICESHIP & TRAINING ARM OF  
MIDDLESBROUGH COLLEGE GROUP

**We are proud to introduce Northern Skills, Middlesbrough College's apprenticeship and training company!**

## Apprenticeship benefits:

- › Earn whilst you learn! Work alongside your studies and earn a wage
- › Treated with respect and like an adult
- › Receive hands-on-training under the supervision of skilled professionals
- › Learn job specific skills that employers are looking for now
- › A practical route to learning
- › Avoid University loan debts



## Apprenticeships available in:

- › Beauty
- › Business
- › Catering & Hospitality
- › Childcare, Healthcare and Education
- › Construction
- › Engineering & Manufacturing
- › IT, Computing and Digital Technologies
- › Motor Vehicle (Automotive Technology)
- › And many more!



# WHY NOT SEE IT FOR YOURSELF?

# COME VISIT US!

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!

## 2025/26 Open Events

**Thu 2nd October '25**

5:00pm – 7:30pm

**Thu 4th December '25**

5:00pm – 7:00pm

**Thu 7th May '26**

5:00pm – 7:00pm

**Wed 8th October '25**

5:00pm – 7:30pm

**Wed 21st January '26**

5:00pm – 7:00pm

**Tues 16th June '26**

5:00pm – 7:00pm

**Sat 8th November '25**

5:00pm – 7:30pm

**Wed 11th March '26**

5:00pm – 7:00pm

**Apprenticeship Expo**

Tue 10th February

2:00pm – 6:00pm



@MiddlesbroughCollege



@MiddlesbroughCollege



@MiddlesbroughCollege



We are on WhatsApp!  
07979 111 313