



## BTEC Certificate in Advanced Manufacturing Engineering Level 3 - E157

This programme runs over 2 years, in year 1 learners will work towards completion of the Certificate in Advanced Manufacturing Engineering, and in year 2 they will progress onto the Extended Diploma in Advanced Manufacturing Engineering. This work-related course is taught through a mix of practical and theory using our newly equipped STEM Centre to help you learn about rapidly developing engineering technologies e.g. rapid prototyping, 3D Printing and Robotics. It will provide you with a solid foundation in key aspects of modern engineering and is one of the recommended pathways for those seeking a career in the creative and well paid field of engineering.

### COURSE DETAILS

The course runs over 2 years and is made up of:

Core units (Yr1):

- Health and Safety in the Engineering Workplace
- Communications for Engineering Technicians
- Mathematics for Engineering Technicians

Optional units (chosen from the list below to meet the needs of the majority of students - Yr1):

- Engineering Drawing for Technicians
- Computer-aided Drafting in Engineering
- Fabrication Processes and Technology
- Welding Technology
- Engineering Secondary and Finishing Techniques
- Principles and Applications of Fluid Mechanics
- **Optional units (Yr2):**
- Engineering Design
- Engineering Project

- Further Engineering Mathematics
- Applications of Computer Numerical Control in Engineering
- Computer Aided Manufacturing
- Plus more to be confirmed.....

## ENTRY GUIDELINES

Four GCSE grades 9-4 (A\* to C) to include, mathematics, English and physics (grade 4 or above).

Equivalent qualifications such as BTEC Level 2 in Engineering will be considered.

Satisfactory interview, assessment and reference or school report.

*For office use. Non Standard tbc*

## EQUIPMENT REQUIRED

To learn effectively on your course you will need to use certain items of equipment and undertake particular activities as part of your studies. To further enhance your learning experience the following will be required: Educational Visits - £50 If you need support with these costs, don't worry, click on the link below and complete a bursary application form. <https://www.wmc.ac.uk/student-support/financial-support/bursaries-loans> Equipment purchased will be yours to keep and you will be able to use them for practice at home and in your future career. N.B. prices correct as of 23/06/2021

## ASSESSMENT METHOD

You will be assessed mainly by assignments.

## ADDITIONAL INFORMATION

Your skills in Mathematics, English and ICT will be developed throughout the course.

**Are you aged 16-18?**

**Study programmes** are full-time courses for 16-18 year olds which include:

- A qualification such as BTEC Extended Diploma
- Meaningful work experience or preparation for work
- English and maths, if you don't already have GCSE grade A\* - C in English and maths

- Non-study activities such as tutorials, voluntary work, fund-raising/charity work, sport or trips

## WHERE CAN I PROGRESS TO?

- HNC Engineering
- Entry into technical or other employment
- Progression to an advanced apprenticeship or higher level apprenticeship in Engineering
- Entry to university study for a degree in Engineering

Explore potential careers via [Career Match](#) — it provides current local data on wages and employment prospects.

**You could progress to these Wirral Met courses:**

- [E158 - BTEC Extended Diploma in Advanced Manufacturing Engineering Level 3](#)

## WHEN DOES THIS COURSE RUN?

CAMPUS	ATTENDANCE	COURSE CODE	PLANNED TIME TABLE
	Full Time	E157P001	

### If you are aged 16-18:

This study programme will be FREE for most students who are aged 16-18 on 31 August, or students aged 19-24 with an Education, Health & Care Plan.

### If you are aged 19 or over:

Fee : £3100.00

*The fee quoted is for the academic year 23/24.*

For advice and guidance, please contact Student Services via our [online enquiry form](#)

This information was current on 26th April, 2024 and may be subject to change.