



## **BTEC Extended Diploma in Advanced Manufacturing Engineering Level 3 - E158**

This qualification prepares learners for Higher Education or appropriate direct employment in the vocational sector and is suitable for those who have decided that they clearly wish to enter a particular specialist area of work. It is broadly equivalent to three GCE A Levels.

### **COURSE DETAILS**

The course is made up of:

Core units:

- Health and Safety in the Engineering Workplace
- Communications for Engineering Technicians
- Engineering Project
- Mathematics for Engineering Technicians
- Mechanical Principles and Applications
- Electrical and Electronic Principles

Optional units (chosen from the list below to meet the needs of the majority of learners):

- Computer Aided Drafting in Engineering
- Selection and Using Programmable Controllers
- Applications of Thermodynamics Systems
- Electronic Fault-finding
- Electronic Devices
- Further Electrical Principles
- Further Mathematics for Engineering Technicians

### **ENTRY GUIDELINES**

Relevant Level 2 or 4 GCSEs at Grade 9-4 or A\*-C

Grade 9-4/A\*-C GCSE in Maths (ideally a Grade 5 in GCSE Maths).

Satisfactory interview, assessment, school report and/or satisfactory reference.

## 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 through internal and external assessments.

## ADDITIONAL INFORMATION

**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 (Grade 4 or above)
- Non-study activities such as tutorials, voluntary work, fund-raising/charity work, sport or trips

## WHERE CAN I PROGRESS TO?

Enter a specialist area of employment or progress to HNC or a degree or other professional development programme.

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

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

- [E152 - BTEC Higher National Certificate \(HNC\) in Automotive Engineering](#)
- [E156 - BTEC Higher National Certificate \(HNC\) in Mechanical Engineering](#)

## WHEN DOES THIS COURSE RUN?

CAMPUS	ATTENDANCE	COURSE CODE	PLANNED TIME TABLE
	Full Time	E158P001	

**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 : £7500.00

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

CAMPUS	ATTENDANCE	COURSE CODE	PLANNED TIME TABLE
	Full Time	E158P001	

**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 : £7500.00

*The fee quoted is for the academic year 24/25.*

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

This information was current on 28th March, 2024 and may be subject to change.