

Engineering Pearson BTEC Level 3 Extended Diploma

Study Mode: Full Time Programme Component | Course Level: 3

Is this course right for me?

If you want a career in engineering, this course will give you an in depth knowledge of the industry and enable you to learn skills in a work-related environment.

You will develop your understanding of the theory behind engineering principles, engineering technology and technical information and learn through a combination of practical and classroom-based sessions.

This is a two year full-time course - the equivalent of 3 A levels - and, as part of the qualification, you will be required to undertake a work experience placement in a relevant industry setting.

***** Advanced Technology and Automotive Centre now open!*****

You will train at the new £8.1 million purpose-built [Advanced Technology and Automotive Centre](#) at the [Wellington Road campus](#), in Bilston, which boasts dedicated engineering workshops kitted out with industry-standard equipment including fabrication and welding suites, a specialist CAD room featuring AutoCAD and SolidWorks software, CNC milling machines, lathes, 3D printers, mechatronic t-rigs and a laser cutter.

Entry Requirements

To access this course you are required to have:

- Four or more GCSEs at Grade 4 or above including maths and English, and preferably science

As part of the admissions process you will be required to attend an interview with an admissions tutor and complete an online assessment based on engineering principles

What will I learn?

During the course you will study the following units:

- Engineering principles
- Engineering design
- Working effectively as a team
- Commercial and quality principles
- Calculus
- Microcontrollers

You will also have the opportunity to study a range of optional units including:

- Machining techniques
- Computer aided design
- Analogue electrical circuits
- Project
- Maintenance of mechanical systems
- Welding
- Fabrication
- Electro-electronic circuits

What skills will I gain?

By studying this course you will:

- Gain a an understanding of industry level skills
- Understand the importance of health and safety in the workplace
- Develop your maths skills, based around engineering principles

How will I be assessed?

Throughout the course you will be assessed in the following ways:

- Practical observation
- Assignment
- Externally-marked assessments

You will work towards achieving an overall grade for the qualification - pass/merit/distinction - along with individual grades for each unit taken.

What can I do next?

Completion of the course will enable you to:

- Pursue an engineering apprenticeship
- Progress to the BTEC Level 3 extended diploma in mechanical engineering
- Apply for a job in the engineering industry

Why study with us?

Throughout the course you will have the opportunity to take part in a range of additional activities to enhance your learning such as industry visits, hearing from inspirational speakers, taking part in fundraising events and showcasing your talents in competitions.

Delivery

Location: Wellington Road Campus

Start Date: 01/09/2025

Day:

Time:

Course Fee:

Course Code: CP0010

Study Mode: Full Time Programme Component



Apply online: **www.wolvcoll.ac.uk/apply**

