

BTEC Enhanced Engineering Programme - Mechanical Level 3



In a nutshell

This is a full-time (5-days of the week), one year course. The course is designed to give you the necessary knowledge, skills and understanding to progress into employment in the engineering sector. You will undertake practical projects in the workshop and theoretical study.

Successful completion of this one year course will enable a fast track route to the second year of an apprenticeship programme in the workplace. So, being a learner on the Enhanced Engineering Programme will increase your appeal to prospective employers looking to recruit apprentices.

This course is for you if...

...you want to pursue a career in the field of Mechanical Engineering

...you'd like to progress on to a full apprenticeship in the engineering industry

...you'd like a theoretical and practical mix of study



COURSE INFORMATION LEAFLET

...you'd like to study for a BTEC Level 3 qualification in Engineering

What will I be doing?

This is a practical, work-related course, on which you'll learn by completing practical projects and written assignments that are based on realistic workplace situations.

This course will be delivered full time over 36 weeks for 30 hours per week on the college campus. As an enhanced programme there will also be a combination of work placement experience and industrial visits. You will be linked to one or more engineering companies for work experience placements that will be for a minimum of 5 weeks and a maximum of 12 weeks.

You will study for a BTEC Level 3 National Extended Certificate in Engineering. The BTEC units include:

- Engineering Principles
- Delivery of Engineering Processes Safely as a Team
- Engineering Product Design and Manufacture
- Computer Aided Design

You will also undertake the Level 2 NVQ Diploma in Performing Engineering Operations (PEO). The PEO will give you the essential mechanical engineering workshop skills (e.g. Milling, Turning, and Hand Fitting) required for the apprenticeship framework.

Your knowledge and practical competences will be continually assessed. This will consist of internal and external assessments.

Upon successful completion, you'll achieve:

- BTEC Level 3 National Extended Certificate in Engineering (Mechanical)
- Level 2 NVQ Diploma – 6 units chosen to support specific industry requests

[Skills Activities](#)

[Maths and English](#)

Other relevant qualifications to enhance your skill set

What is expected of me?

Apply online at www.colegwent.ac.uk

studentrecruitment@colegwent.ac.uk | 01495 333777 (Croesawn alwadau yn Gymraeg)





COURSE INFORMATION LEAFLET

Five GCSEs at Grade C or above including:

Grade B in Maths
English or Welsh First Language,
Three other Grade Cs, preferably in Science or related subjects

You must also pass an aptitude test. This will assess your ability to perform specific tasks and react to a range of different situations.

A full commitment to attendance is required. Your timetable will require attendance at college 5 days a week. You'll need to be able to work independently and as part of a team. A strong desire to work in the engineering industry is also required.

A key aim of the course is to facilitate your progression to an apprenticeship. Everyone is expected to abide by the college ethos and to be willing to participate in a minimum of 5 weeks work placement.

What comes next?

At the end of the course you will have developed the underlying practical skills, knowledge and understanding of mechanical engineering principles and workshop practice. You will be encouraged to seek apprenticeships within the relevant industry where employment opportunities may include product design, tool-making, manufacturing, aerospace and automotive engineering.

You can continue to study for another year, on a day release basis, for a BTEC Level 3 National Diploma in Mechanical Engineering. This qualification will allow progression to higher education study – such as BTEC HNC and HND.

Additional information

You'll be given a tool kit worth approximately £200.00 when you successfully complete the course.

You'll need to supply your own stationery e.g. folders, subject dividers, pens, pencils, colouring pencils, compass, ruler and scientific calculator.

Apply online at www.coleggwent.ac.uk

studentrecruitment@coleggwent.ac.uk | 01495 333777 (Croesawn alwadau yn Gymraeg)

