

ENGINEERING & AUTOMOTIVE

Engineers are instrumental to everyday life, from the phones we use, the deodorant we wear to the planes we travel in.

The sector is very diverse, highly skilled and well paid. Demand for engineers is high, particularly female engineers, so there's always jobs available. Engineer your future by choosing one of the careers below:

Mechanical

Design and maintain components and systems using your knowledge of physics and maths. This field has grown with technology so you'll also work with advanced materials such as carbon fibre and composite materials.

Fabrication and Welding

Cut, shape and join sections of metal to make solid structures. You'll further your experience of modern materials using glues, heat etc.

Electrical and Electronics

From small component parts to entire electrical networks or grids; electricity is needed for business, communication and entertainment. If you're attentive to detail and clued up on the principles, electrical engineering is for you.

Aerospace, Marine and Defence

An exciting and advanced area! Develop and preserve aircraft, space vehicles, ships and boats, depending on the field you specialise in. Why not contribute to our defence industry by working on navigation systems and satellites etc.

Automotive

From researching future trends, manufacturing car mechanisms to test driving vehicles, automotive engineers provide safe and economical vehicles for customers.

Useful links

www.semta.org.uk

Semta, the Science, Engineering and Manufacturing Technologies Alliance

www.careerswales.com

Careers Wales website

www.whatisengineering.com

For information on the different disciplines in Engineering

What can I study, and where?

| | Duration | CK | BGLZ | NP |
|--|----------|----|------|----|
| Aeronautical Engineering Level 3 | 2 Years | | ✓ | |
| Electrical Engineering Level 1 | 1 Year | ✓ | | |
| Electrical Engineering Level 2 | 1 Year | ✓ | | |
| Technical Diploma Level 2 in Engineering | 1 Year | ✓ | | |
| Electric/Electronic Engineering Level 3 (Diploma) | 1 Year | ✓ | | |
| Electric/Electronic Engineering Level 3 (Extended Diploma) | 2 Years | ✓ | | |
| Engineering Level 2 | 1 Year | | | ✓ |
| Engineering Level 3 | 2 Years | | | ✓ |
| Enhanced Engineering Programme (Electrical Route) Level 3 | 1 Year | ✓ | | |
| Enhanced Engineering Programme (Mechanical Route) Level 3 | 1 Year | ✓ | | |
| Engineering (Fabrication and Welding) Level 1 | 1 Year | | | ✓ |
| Engineering (Fabrication and Welding) Level 2 | 1 Year | | | ✓ |
| Engineering (Mechanical) Level 1 | 1 Year | ✓ | | |
| Engineering (Mechanical) Level 2 | 1 Year | ✓ | | ✓ |
| Engineering (Mechanical / Manufacturing) Level 3 (Diploma) | 1 Years | ✓ | | |
| Mechanical Engineering Level 3 (Extended Diploma) | 2 Years | ✓ | | |
| Motorsport Engineering Level 3 | 2 Years | | ✓ | |
| Engineering (Production) Level 1 | 1 Year | | | ✓ |
| Accident Repair (Body and Paint) Level 1 | 1 Year | | | ✓ |
| Accident Repair (Body Repairs) Level 2 | 1 Year | | | ✓ |
| Accident Repair (Body Repairs) Level 3 | 1 Year | | | ✓ |
| Accident Repair (Paint Principles) Level 2 | 1 Year | | | ✓ |
| Accident Repair (Paint Principles) Level 3 | 1 year | | | ✓ |
| Automotive Engineering Level 3 | 1 Year | | | ✓ |
| Light Vehicle Maintenance and Repair Level 1 | 1 Year | ✓ | | ✓ |
| Light Vehicle Maintenance and Repair Level 2 | 1 Year | ✓ | | ✓ |
| Light Vehicle Maintenance and Repair (Fast Fit) Level 2 | 1 Year | ✓ | | |
| Light Vehicle Maintenance and Repair Principles Level 3 | 1 Year | ✓ | | ✓ |
| Light Vehicle Maintenance and Repair Principles Level 3 (Extended Diploma) | 2 Years | ✓ | | |
| Vehicle Maintenance and Repair (Motorcycle) Level 1 | 1 Year | ✓ | | |
| Vehicle Maintenance and Repair (Motorcycle) Level 2 | 1 Year | ✓ | | |
| Vehicle Maintenance and Repair (Motorcycle) Level 3 | 1 Year | ✓ | | |
| General Vehicle Maintenance (Entry Level 3) | 1 Year | ✓ | | |

Apply online today at www.coleggwent.ac.uk | admissions@coleggwent.ac.uk | 01495 333777 (Croesawn alwadau yn Gymraeg)



Campus key: BGLZ - Blaenau Gwent Learning Zone / CK - Crosskeys Campus / NP - Newport Campus

