

# 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](http://www.semta.org.uk)

Semta, the Science, Engineering and Manufacturing Technologies Alliance

[www.careerswales.com](http://www.careerswales.com)

Careers Wales website

[www.whatisengineering.com](http://www.whatisengineering.com)

For information on the different disciplines in Engineering

## What can I study, and where?

	Level	B	C	N
Accident Repair - Body and Paint	1			✓
Accident Repair - Paint Principles	2			✓
Vehicle Maintenance	Entry 3		✓	✓
Light Vehicle Maintenance	1		✓	
Vehicle Maintenance	1			✓
Light Vehicle Maintenance and Repair Principles	2		✓	✓
Light Vehicle Maintenance and Repair (Extended)	2		✓	
Light Vehicle Maintenance and Repair Principles	3		✓	✓
Vehicle Fast Fit	2		✓	
Vehicle Fitting Principles	2			✓
Motorcycle Maintenance and Repair Principles	2		✓	
Motorcycle Maintenance and Repair Principles	3		✓	
Engineering Technologies	1		✓	
Certificate in Mechanical Engineering	1			✓
Diploma in Engineering	2	✓		
Diploma in Engineering Operations	2		✓	
Engineering - Electrical and Electronic Technology (Workshop)	2		✓	
Engineering - Mechanical (Workshop)	2		✓	✓
Foundation Diploma in Engineering - Electrical	3		✓	
Foundation Diploma in Engineering - Mechanical	3		✓	
Engineering Technologies - Mechanical Engineering	3			✓
Enhanced Engineering Programme - Electrical	3		✓	
Enhanced Engineering Programme - Mechanical	3		✓	
Aeronautical Engineering	3	✓		
Motorsport Engineering	3	✓		
Engineering - Fabrication & Welding	2			✓
Engineering Technologies - Fabrication and Welding	3			✓
Welding and Fabrication	1			✓
Welding and Fabrication	2			✓

Apply online today at [www.coleggwent.ac.uk](http://www.coleggwent.ac.uk) | [admissions@coleggwent.ac.uk](mailto:admissions@coleggwent.ac.uk) | 01495 333777 (Croesawn alwadau yn Gymraeg)



Campus key: B - Blaenau Gwent Learning Zone / C - Crosskeys Campus / N - Newport Campus

