

# SCIENCE

Science surrounds us in everyday life from the motion of cars, the medicines we take to speaking to Siri on our phones.

As technology advances in this area, you could work in artificial intelligence and even with robots!

Find out about the career paths in this sector:

## Forensic Science

Investigate live crime scenes and assist police, detectives and courts in crime investigation. You'll pay close attention to detail, be patient in behaviour and have a professional approach to work.

## Robotic Engineering (Mechatronics)

Build the robots of the future. You'll be researching, designing and assembling robots as well as their computer systems which they use for feedback and information processing. An exciting and innovative field that is continuously evolving.

## Artificial Intelligence (AI)

Also known as machine intelligence, you'll work with appliances that mimic human cognitive behaviours. Already a hot topic in the news, e.g. driverless cars and web chatbots, stay ahead of the game and pursue a career in this industry.

## Biomedical Science

Using your in-depth knowledge of biology and anatomy, you'll advise doctors and medical professionals on how to diagnose and treat diseases. Testing samples of blood and tissues, you'll work in laboratories either in industry or the NHS, one of the biggest employers in the UK.

## Microbiology

The problem solvers in areas such as medicine, agriculture and food production, microbiologists examine microbes and their effects. You'll use your knowledge to recommend solutions to help preserve our environment and protect public health.

## Useful links

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

Careers Wales website

[www.stem.org.uk](http://www.stem.org.uk)

STEM (Science, Technology, Engineering and Maths learning) website



ONLY  
**1 IN 5**  
PHYSICS  
A-LEVEL  
STUDENTS  
ARE GIRLS

**1 IN 5**  
NEW JOBS  
IN THE UK BY  
2022, WILL  
REQUIRE  
SCIENCE SKILLS



**72% OF ALL UK BUSINESSES RELY ON PEOPLE WITH SCIENCE SKILLS.**

**BY 2022, WALES NEEDS 4,500 SCIENTISTS**

**£** THE AVERAGE STARTING SALARY FOR GRADUATES IS  
**£21,702**

(source Careers Wales)

## What can I study, and where?

	Duration	B	C	N	T
Applied Science - Level 2	1 Year			✓	
Applied Science (Extended Diploma) - Level 3	2 Years		✓	✓	✓
Analytical and Forensic Science	1 Year				✓
Criminology - Level 3	1 Year	✓	✓		

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 / T – Torfaen Learning Zone

