



BTEC Level 3 Extended Diploma in Applied Science (Full-Time)

Biomedical scientists develop new treatments and therapies for human illnesses, diseases and disabilities. Operating theatres, accident and emergency (A&E) and many other hospital departments would not function without biomedical scientists. For example, in A&E, you would work in the blood sciences department, testing emergency blood transfusions for blood groups and samples from patients who have overdosed or had a heart attack.

Biomedical science is at the heart of medical breakthroughs in healthcare and could cover anything from creating artificial muscles from cells to treat diseases and illnesses, to looking at the brain to understand stress and anxiety.

Entry Requirements

The course is suitable for students who have a keen interest in science and who have a minimum of five GCSEs grade A-C, including Mathematics, Additional Science and English at grade C or above.

Career Prospects

Possible careers include biochemist, radiologist, radiographer, audiologist, chemist, biologist, paramedic, chiropractor, healthcare, chemical engineer, forensic science.

Course Modules

This course consists of 60% coursework and 40% is exam based and some of the units are biomedical science, principles and applications of science, genetics, diseases and infection, science investigation skills, laboratory techniques, physiology of human body systems, contemporary issues in science and organic chemistry. There are seven core units and six optional.

Coleg Afan	01639 648200	Afan College
Coleg Bannau Brycheiniog	01686 614400	Brecon Beacons College
Coleg Castell-nedd	01639 648000	Neath College
Coleg Y Drenewydd	01686 614200	Newtown College



Assessment

You will be required to undertake a programme of assignments throughout the course, which will include assessment of practical skills and the ability to work safely. It is essential that you are well organised and meet deadlines. There is no external examination.

STUDY MODE

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LOCATION

Neath College - 01639 648000

COURSE LENGTH

2Y

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