

SCIENCE (APPLIED)

QUALIFICATIONS IN SCIENCE CAN LEAD TO HIGHER EDUCATION AND MANY EXCITING CAREER OPPORTUNITIES.

We offer BTEC First Level 2 and BTEC National Level 3 qualifications in Science and AS/A2 Levels in Biology, Chemistry, Environmental Science and Physics.

Why come to Dudley College for your Science course?

- Modern well equipped laboratories
- Highly experienced and committed tutors
- Classrooms equipped with electronic whiteboards
- Excellent personal tutor support
- Help with university applications

For further information on careers relating to Science visit: www.aimhigherwm-alps.org or call Student Services on **01384 363363** for a careers interview.

APPLIED SCIENCE

BTEC FIRST DIPLOMA - LEVEL 2

REF: 2320

WHICH CAMPUS?

Broadway Campus

WHAT WILL I STUDY?

This is a practical work-related course that aims to introduce you to employment in the science area and provide a good basis to continue onto more advanced work-related qualifications. You will study:

- Working with science
- Science and the world of work
- Chemistry applications
- Physical science applications
- Biological systems

HOW WILL I BE ASSESSED?

You will be assessed through a variety of internally and externally set assessments.

WHAT ARE THE ENTRY REQUIREMENTS?

You will need to hold one of the following:
BTEC Introductory Diploma in a related subject
OR 4 GCSEs at grades D - E one of which must be Science.

HOW LONG?

1 year.

WHAT NEXT?

BTEC National Diploma in Applied Science.

APPLIED SCIENCE

BTEC NATIONAL DIPLOMA - LEVEL 3

REF: 432

WHICH CAMPUS?

Broadway Campus

WHAT WILL I STUDY?

This is a practical work-related course that will help you to develop a range of specialist scientific skills and knowledge that would be required by a science technician. You will study:

- Scientific principles
- The role of a science technician
- Laboratory organisation
- ICT & laboratory MIS
- Human physiology
- Biochemical techniques
- Workplace practices
- Scientific method
- Energy changes, sources & applications
- Microbiological technique
- Chemical periodicity & its applications
- Principles of plant & soil analysis
- Genetics and genetic engineering
- Medical physics techniques
- Industrial applications of chemical reactions
- Practical chemical analysis
- Biomedical science techniques
- Environmental science
- Data analysis

HOW WILL I BE ASSESSED?

You will be assessed through a variety of internally set assessments.

WHAT ARE THE ENTRY REQUIREMENTS?

You will need to hold one of the following:
BTEC First Diploma
OR Intermediate GNVQ in Science
OR 4 GCSEs at grades A* - C including Double Award Science.

HOW LONG?

2 years.

WHAT NEXT?

Degree or HND in Applied Biology, Applied Chemistry or medically related courses or employment in a laboratory.

