HND Applied Sciences

STUDY OPTIONS
Full-time

LENGTH
2 years

DESCRIPTION
This is a wide-ranging course covering the theoretical and practical aspects of biological and chemical sciences. It is intended both for those candidates wishing to find employment in the science industries, or to progress to further (degree level) study. The course is broadly equivalent to the first two years of a science degree programme in chemical or life sciences. The course structure covers essential scientific knowledge and principles in sciences, and also includes a large amount of training in essential practical skills and modern instrumentation. On completion of the HND, candidates are able to gain direct entry to 3rd year on a range of University Degree programs.
The course is also available to be taken on a part-time basis, and is suitable for those currently employed at technician level in scientific fields.

ENTRY REQUIREMENTS
Guideline entrance requirements are preferably Highers in both Chemistry and Biology, or a minimum of a Higher in one and a Standard Grade Credit in the other. Exceptions may however be made on the basis of relevant experience or other qualifications. Alternatively successful completion of the Level 6 NC Applied Sciences College course at Grade B will allow entry.
It is further important to understand that this course requires candidates to study in depth **both** chemistry **and** life sciences.
Please note: Applicants should be aware that a laptop is required for this course.

WHO IS THE COURSE FOR?
This is a wide-ranging course covering the theoretical and practical aspects of biological and chemical sciences. The course and also includes a large amount of training in essential practical skills and modern instrumentation of direct relevance to local and national employers. It is intended both for those candidates wishing to find employment in the science industries, or to progress to further (degree level) study, where direct entry to 3rd year degree programmes is available on a range of courses.

HOW WILL I BE ASSESSED?
This course is mainly assessed on a continuous basis and does not include an external end of course examination. Each unit is assessed separately, and for most of the science units this will take the form of a single end of unit test, and assessed practical activities. For certain units, essays, presentations, and case studies will also be required.
The Graded Units are undertaken in College, but will be sent to SQA for final moderation. Candidates who pass a Graded Unit will be awarded an A, B or C grade for that unit.

PROGRESSION ROUTES / CAREER OPPORTUNITIES
On successful completion of the HND, students may progress to degree study at university where direct entry into the third year of

an undergraduate degree course is available on a large range of options.
Employment opportunities exist in the oil or food industries, schools, universities, health service, government agencies, commercial providers or the local research institutions.

COURSE CONTENT INCLUDES

Mathematics for Science 1
Cell Biology: Theory and Practice
Microbiology: Theory and Practice
Biochemistry: Theory and Practice
DNA Structure and Function
Fundamental Concepts of Inorganic Chemistry
Fundamental Concepts of Physical Chemistry
Instrumental techniques: Theory and Practice 1
Graded Unit 1: Investigation
Human Body Structure and Function
Fundamental Concepts of Organic Chemistry
Aromatic Chemistry
Transition Metal Chemistry
Protein Structure and Function
Plant Biology
Animal Biology
Kinetics and Thermodynamics
Statistics for Science
Instrumental Techniques: Theory and Practice 2
Physics for Science 1
Environmental Biology
Presentation Skills in Science
Information Technology Applications Software
Quality and Health and Safety Systems in the Science Industries
Fundamental Chemistry: Theory and Practice
Graded Unit 2 - Project

AT WHICH COLLEGE CENTRE WILL I STUDY?

Gallowgate

CONTACT

Tel: **+ 44 (0)1224 612330**
Email: **enquiry@abcol.ac.uk**

TO APPLY FOR THIS COURSE:

Or complete this application form and send it to the following address:

The Admissions Manager,

Aberdeen College,
FREEPOST AB580,

Gallowgate Centre,
Aberdeen AB25 1ZQ