

Access to Higher Education – Science



Subject Area	Science
Course Type	Access to Higher Education
Study Level	Level 3
Delivery Mode	Full-time
Location	David Hockney Building
Duration	1 Academic Year
Start Date	September 2025
Course Code	PA000348

View on bradfordcollege.ac.uk



Course Summary

This Access to Higher Education Science course is designed to provide a strong foundation in both biology and chemistry for students aspiring to progress to higher education in scientific disciplines. Through a combination of theoretical knowledge and practical skills, you will gain a deeper understanding of key biological and chemical concepts, as well as develop essential study and ICT skills to support your academic journey.

You will cover essential topics such as cell biology, biomolecules, human physiology, pharmacology, and both inorganic and organic chemistry, while also developing practical laboratory skills, academic study techniques, and ICT proficiency to prepare students for further study in science.

This course is an ideal stepping stone for students looking to pursue further studies in science-related fields, equipping you with the knowledge, practical skills, and study techniques necessary for success at the higher education level.

You may choose to progress to degrees in Biomedical Sciences, Chemical Engineering, Chemistry, Genetics, Human Nutrition, Nutrition and Food Science, Paramedical Sciences, Pharmacology, Physiotherapy, Podiatry and Radiography.

What You Will Learn

You should also expect to work with others and independently, meet deadlines and complete work to a high standard. In addition to the skills gained in Biology/Chemistry, you will also develop skills in independent research, critical thinking and evaluative skills, study skills, interview skills and interpersonal skills. You will develop the necessary skills to progress into further education, which can include university.

Modules

Biology/Chemistry Pathway:

- Introduction to Cell Biology
- Biomolecules and Key Biochemical Principles
- Cardiovascular, Respiratory and Gastro-intestinal Systems
- Homeostasis, Co-ordination and Control and the Excretory System
- Practical Investigation (Biology)
- Pharmacology
- Introduction to Chemistry
- Practical Inorganic Chemistry
- Core Principles of Chemistry
- Further Inorganic Chemistry
- Further Physical Chemistry
- Core Organic Chemistry
- Preparing to Progress
- Developing Skills for Studying
- ICT – Presentation Software

Entry Requirements

Entry to this course requires GCSE English Language, Maths and Double Science at a grade 4 or C. Some Universities may not require a Science GCSE but require 12 credits at a distinction on this Access course.

You are at least 19 years old on 1st September.

It is your responsibility to check that your Mathematics and English Language qualifications are accepted for the Higher Education Institution course you wish to eventually apply for. When applying to join an Access to HE course, please state on the application form which Science pathway you require.

Induction for this course will begin at the start of September.

Progression

The Access to Higher Education – Science course acts as your direct progression route from Level 3 study to degree level study at University in Science-related subjects.

Disclaimer: Our prospectus, college documents and website are simply here to offer a guide. We accept no liability for any inaccurate statements and are not responsible for any negative outcomes if you rely on an inaccurate statement. We reserve the right to withdraw any programmes or service at any time.