

## Advanced Higher Biology (Course Code: C807 77)

SCQF Level 7 (32 Credit Points)

### Why study Biology?

Biology is the study of all living things, from the tiniest organisms to the largest lifeforms. You will learn how nature and the human body work, and how different forms of life eat, make energy and reproduce. You will also find out how Biology is helping to find solutions to world problems.

There are many career opportunities connected with biology, including medicine, nursing, dentistry, physiotherapy, food science, sport science, pharmacology and beauty therapy.

### Career Pathways

To see what career areas this subject could lead to and the routes to get there, download and view these career pathways:

[Animals, Land and Environment](#)

[Hairdressing, Beauty and Wellbeing](#)

[Health and Medicine](#)

[Science and Maths](#)

[Sport](#)

[Uniformed and Security Services](#)

### What do I need to get in?

This is at the discretion of the school/college but you would normally be expected to have attained one of the following:

- Higher Biology
- Higher Human Biology

### What will I study?

The course comprises **three** areas of study.

#### Cells and Proteins

You will study:

- laboratory techniques for biologists

- proteins
- membrane proteins
- communication and signalling
- protein control of cell division.

### Organisms and Evolution

You will study:

- field techniques for biologists
- evolution
- variation and sexual reproduction
- sex and behaviour
- parasitism.

### Investigative Biology

You will study:

- scientific principles and process
- experimentation
- reporting and critical evaluation of biological research.

## How will I be assessed?

**Please note** - for the 2022-23 session there is no project, only the question paper worth 100 marks (scaled to 120).

The course assessment consists of **two** components **totalling 130 marks**:

- Component 1 - Question paper (100 marks)
- Component 2 - Project (30 marks).

For Component 2, you will carry out an in-depth investigation of a biology topic and produce a project-report.

Both the question papers and the assignment are set and externally marked by the Scottish Qualifications Authority (SQA).

The grade awarded is based on the total marks achieved across course assessment.

The course assessment is graded A-D.

## Study Materials

## What can I go on to next?

Further study, training or employment in:

- Animals, Land and Environment
- Biology
- Health and Medicine
- Science and Mathematics
- Secondary School Teaching
- Sport
- Sports Science