

Applied Biological Science (in conjunction with the University of Stirling)

Forth Valley College

Venues

Falkirk Campus

Content

The BSc (Hons) Applied Biological Sciences degree offers interdisciplinary training in contemporary biological sciences, including animal and plant biology and biotechnology. There is a strong focus on the cellular and molecular aspects of biological science and the development of practical skills.

The degree is taught jointly at Forth Valley College (Falkirk Campus) and the University of Stirling and also receives input from employers across the Scottish life sciences community. The result is a programme which delivers highly skilled and work ready graduates. Classes for the first two years will be delivered at Forth Valley College's campus in Falkirk.

Year 1:

Applied Sciences: Graded Unit 1; Laboratory Skills for Science Industries; Fundamental Chemistry: Theory and Laboratory Skills; Statistics for Science 1; Human Body Structure and Function; Biochemistry: Theory and Laboratory Skills; Fundamental Chemistry: An Introduction; Microbiology: Theory and Laboratory Skills; DNA and Genetics; Cell Biology: Theory and Laboratory Skills; Biotechnology: An Introduction.

Year 2:

DNA Molecular Techniques; Microbiological Techniques; Immunological Techniques; Protein Structure and Function; Applied Biological Sciences: Graded Unit 2; Mathematics for Science 1; Animal Biology; Plant Biology; Quality and Health & Safety Systems in Science Industries; Animal and Plant Cell Culture: An Introduction; Instrumental Techniques; Ecology and Ecosystems.

Year 3:

Microbiology; Animal Physiology; Enzymes and their Applications; Animal Cell Biology; Applied Immunology; Industrial Experience Placement.

Year 4:

Honours Project; Systems Biology; Molecular Evolution; Phylogenetics; Molecular Techniques; Cell Birth/Life/Death; Genetic Engineering for the Future.

Start Date

August

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

8C93

Course Length

4 years

Department

Science

Entry Requirements

3 Highers at BBB including Biology or Chemistry (Foundation Apprenticeship Scientific Technologies accepted in place of 1 non-essential Higher). Interview.

SCQF Level

10

Address

Grangemouth Road
Falkirk
FK2 9AD

Website

www.forthvalley.ac.uk