APPLIED BIOLOGICAL SCIENCES
BSc (Hons)

UNIVERSITY of STIRLING

ARE YOU STIRLING?
WHY STUDY APPLIED BIOLOGICAL SCIENCES?

Scotland is internationally recognised in the life sciences arena. It is a thriving sector, which requires highly skilled graduates. The Scottish Life Sciences employers’ community has recognised a need for work-ready science graduates. This new innovative undergraduate degree, developed in consultation with employers, will produce work-ready graduates for the life science industry.

Forth Valley College and the University of Stirling have developed a four-year, fully integrated degree course in Applied Biological Sciences. This innovative course is the first of its kind in Scotland to focus on meeting the identified skills shortages within the industry by allowing participants to acquire the practical and research skills required by employers.

LIFE SCIENCES CONTRIBUTE OVER £3.2 BILLION TO THE SCOTTISH ECONOMY EVERY YEAR

Scottish Enterprise 2016

REASONS TO CHOOSE THIS COURSE

1 AN INTEGRATED DEGREE PROGRAMME
The University of Stirling has partnered with the College of Forth Valley to offer the best of both teaching approaches: practical skills in small classes and research-led teaching.

2 OPPORTUNITY TO GAIN WORK EXPERIENCE
A 3rd-year Industrial placement will allow students to improve their chances of employment after graduation.

3 INDUSTRY LED COURSE
Academics from the University and College work together alongside employers to deliver the most up-to-date and industry-relevant curriculum.

COURSE DETAILS

A shared learning approach between a College and University is one of the key attributes of this degree. Academics from both institutes will work together, alongside employers, to deliver the most up-to-date and industry-relevant curriculum.

All undergraduates of this course will have dual student status and be enrolled within both institutions. Students will have full access to all of the University of Stirling and Forth Valley College online and onsite facilities from Year 1 onwards.

FORTH VALLEY COLLEGE
Forth Valley College’s STEM provision is amongst the strongest and most comprehensive to be found at any college across the UK. The College has a strong strategic commitment to STEM and close links with industry in order to deliver the skills required by employers through innovative provision.

In the first two years of the degree, the focus is on the acquisition of fundamental biological laboratory skills and an understanding of the science that underpins them.

Much of this teaching will be undertaken in small classes at Forth Valley College with others at the University of Stirling including a module in statistics, focused practical laboratory sessions and opportunities to undertake project work in Year 2.
In Year 3 of study, all modules are taken at the University of Stirling. These modules focus largely on the cellular and molecular aspects of biological sciences including immunology and microbiology.

In addition, an industrial placement module will give students valuable insight into how the biosciences industries work, and will give them hands-on experience in the workplace.

The final year of the degree focuses on proteomic/genomic aspects of biological sciences, experimental design, together with an extended research dissertation undertaken in academics’ laboratories and a number of elective modules. Research-led teaching is the key to deep learning and understanding. This approach, together with industrial placements, enables students to apply the skills that they develop to 21st Century biosciences careers.

“There were so many opportunities to develop my practical skills within a laboratory environment which will surely prove to be beneficial to me in the future.

All modules gave a full spectrum of knowledge which will put the solid foundation for building my career.

Charlotte Rachel Curtis,  
BSc Applied Biological Sciences, Year 4, 2017–2018

“The Scottish life sciences sector is calling out for highly skilled graduates with hands-on experience. An integrated degree will provide the practical and research skills required to produce ‘work ready’ graduates.”

David Wotherspoon,  
Diageo

CAREER OPPORTUNITIES

A degree in biology can help you get a job in health sectors and science. However, there are many other career opportunities this degree can provide. You can find employment as:

- Biotechnologist
- Higher education lecturer
- Microbiologist
- Nanotechnologist
- Nature conservation officer
- Pharmacologist
- Secondary school teacher
- Soil scientist
- Zoologist

ENTRY REQUIREMENTS

FOUR-YEAR HONOURS

SQA Highers:  
BBB

GCE A-levels:  
BB

IB Diploma:  
28

Essential subjects:  
To include one of Biology or Chemistry. Preference will be given to candidates with a strong science background

Access courses:  
Access courses and other UK/EU and international qualifications are also welcomed.

Essential subjects:  
As listed above or equivalent. General entrance requirements apply.

National 5 (B), Intermediate 2 (C), GCSE (C) or equivalent required.

Please note that selection will be made via successful interview.

PART TIME AND STUDY ABROAD OPTIONS AVAILABLE
## Typical Timetable

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## Compulsory Modules

All modules are compulsory.

## Contact

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05/19