

Introduction to Science (Biomedical Sciences)

Ayrshire College

Venues

Ayr Campus
Kilmarnock Campus

Content

Life sciences deal with living organisms and range from microbiology and biomedical science, to zoology, botany and ecology. The life sciences industry in Scotland is thriving, offering exciting opportunities to collaborate, bring new concepts to life and life-changing products to market. Careers include medical research, food science, environmental science and scientific research.

This course is mainly National 5 Biology and National 5 Chemistry units, but also has some supporting subjects, to give you a good grounding for future medical-related study. Offering a significant element of practical skills in the lab, it also includes the SQA Group Award NC Applied Sciences (Level 5).

You'll explore three units relating to the biology of humans and other living organisms - Life on Earth (biodiversity, energy in eco systems and the evolution of species); Multicellular Organisms (cells, tissues and organs; stem cells and reproduction); and Cell Biology (DNA, genetic engineering and respiration).

Chemistry units include: Chemical Changes and Structure (reaction rates, atomic structure and bonding); Chemistry in Society (metals, plastics, fertilisers and nuclear chemistry); and Nature's Chemistry (consumer products, such as perfumes, soaps, alcohol and vinegar).

Start Date

August

Qualification

Other

Study Method

Full time

Course Length

1 year

Department

STEM - Engineering and Science

Entry Requirements

3 subjects at National 4 including English and Maths and preferably a science subject, or relevant national qualifications at SCQF Level 4. A place on the course is subject to an interview process.

SCQF Level

5

Progression Routes

Progression on to a relevant course at SCQF Level 6 or employment, whilst undertaking further study.

Address

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Website

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