

Brewing and Distilling (in conjunction with Heriot-Watt University)

Forth Valley College

Venues

Falkirk Campus

Content

This course is aligned with BSc (Hons) Brewing and Distilling at Heriot-Watt University. The programme allows students to complete a 2-year HND Industrial Biotechnology at Forth Valley College's Falkirk campus, then progress to year 3 of the degree at Heriot-Watt University. Students benefit from the teaching and facilities of the College and the University.

The 2-year HND Industrial Biotechnology course aims to support students to gain skills and knowledge in industrial biotechnology. The HND develops the study of biology, chemistry and process engineering in an industrial biotechnology context. Year 3 and Year 4 information is included in the Course Content section below.

Content Includes:

Year 1

Microbiology; Biotechnology; Biochemistry ; General Chemistry; Physical Chemistry; Inorganic Chemistry; Organic Chemistry; Maths for science 1; Statistics for science 1; Lab Skills; Graded Unit 1.

Year 2

Base Catalysed Organometallic Chemistry; Maths for Science 2; Quality health and Safety; Animal Plant & Cell Culture; DNA & Genetics; Protein Structure & Function; Chemical Engineering Principles; Heat Transfer; Instrumental Techniques; Aromatic Chemistry; Cell Biology; Microbiological Techniques; Chemical Engineering Applied Physical Chemistry; Graded Unit 2.

Year 3

Specialist courses in Food and Beverage Process Technology and Biotechnology.

Year 4

Focuses on particular aspects of the industry, including:

Cereal Technology; Yeast Biology and Fermentation; Beer Maturation; Distillation; Quality; Packaging Technology; Commercial Aspects of Brewing and Distilling.

Start Date

August

Qualification

Degree

Study Method

Full time

Award Title

BSc (Hons)

Course Length

4 years

Department

Science

Entry Requirements

2 Highers at CC including Maths, Biology or Chemistry, or relevant national qualifications at SCQF Level 6. Entry subject to interview and group task.

SCQF Level

8

SCQF Points

«SCQFPoints»

Progression Routes

Postgraduate study

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

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Website

www.forthvalley.ac.uk