

Chemical Engineering (Year 1) (in conjunction with University of Strathclyde)

Forth Valley College

Venues

Falkirk Campus

Content

Students undertaking this programme complete the 1 year HNC Chemical Process Technology programme at Forth Valley College followed by guaranteed progression to year 2 of BEng Chemical Engineering at University of Strathclyde.

During the HNC Year students study the fundamental principles of chemical engineering and chemistry and will also get the chance to develop practical skills. Upon completion of the HNC students transfer to year 2 of BEng Chemical Engineering at Strathclyde University.

In years 2 and 3 topics include Material and Energy Balances, Thermodynamics, Heat Transfer, Mass Transfer and Fluid Flow. Engineering practice and chemical engineering laboratory work are also introduced along with finance and business studies. The principles taught in Years 2 and 3 are applied to the most important unit operations used in the chemical and process industries, including distillation, gas absorption and adsorption, evaporation, crystallisation, filtration and drying. Reactor design, biochemical engineering and food processes are also covered. Laboratory work continues and you will carry out two small Chemical Engineering design projects to apply your growing knowledge to a practical problem.

In year 4 students carry out an individual research project and submit a thesis.

Start Date

August

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

Course Length

1 year

Department

Engineering

Entry Requirements

4 Highers at BBBC (Widening access BBCC) including Maths, Chemistry and preferably Physics (Foundation Apprenticeship Engineering or Scientific Technologies accepted in place of one non-essential Higher). Entry subject to interview.

SCQF Level

7

SCQF Points

«SCQFPoints»

Progression Routes

MEng Chemical Engineering at the University of Strathclyde

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

Grangemouth Road
Falkirk
FK2 9AD

Website

www.forthvalley.ac.uk