

# 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**

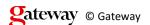
Full time

### **Award Title**

BEng Hons

#### **UCAS Code**

**OBRT** 





# **Course Length**

1 year

# **Department**

Engineering

# **Entry Requirements**

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

### **SCQF Level**

7

# **SCQF Points**

«SCQFPoints»

# **Progression Routes**

Masters level qualification or relevant employment.

#### **Combination Courses**

«htmlCombinationCourse»

«htmlCombinationUCASCode»

#### **Address**

Grangemouth Road Falkirk FK2 9AD

### Website

www.forthvalley.ac.uk

