Mechanical Engineering (Years 1 and 2) (in conjunction with Heriot-Watt University)

Forth Valley College

Venues

Falkirk Campus

Content

There are many exciting career opportunities available in the mechanical, manufacture, process, oil and gas and alternative energy industries. This programme provides students with a wide range of knowledge and skills related to mechanical engineering technologies. Students will spend the first two years at Forth Valley College's new state-of-the-art Falkirk Campus before progressing to Heriot-Watt University to complete their Master's degree.

Year 1 & 2 – Falkirk Campus.
Year 3, 4 & 5 – Heriot-Watt University.

Year 1
Communication: Practical Skills; Thermofluids; Dynamics; Fundamentals of Control Systems and Transducers; Statics & Strength of Materials; Engineering Skills; Computer Aided Draughting for Engineers; Engineering Principles; Materials Selection; Quality Management: An Introduction; Pneumatics and Hydraulics; Engineering Mathematics 1; Engineering Mathematics 2; Engineering Mathematics 3; Engineering Mathematics 4; Engineering Mathematics 5; Mechanical Engineering: Graded Unit 1.

Year 2
Manufacturing: Process and Equipment Selection; Mechanical Engineering: Graded Unit 2; Plant Systems; Heating Ventilation and Air Conditioning Practice and Design; Applied Industrial Plant Maintenance; Strength of Materials: Advanced; Project Management; Information Technology: Applications Software 1; Business Awareness and Continuing Professional Development; Engineering Drawing; Heat Transfer and Fluid Mechanics; Mathematics.

Year Three (Heriot-Watt University)
Students transfer into the third year of the degree programme. Subjects include:
Fluid Dynamics; Materials Engineering; Design and Manufacture; Control Engineering; Instrumentation.

Year Four (Heriot-Watt University)
Students choose specialist subjects from:
Fluid Mechanics; Thermodynamics; Strength of Materials; Machine Dynamics.

Start Date

August

Qualification

Degree

Study Method

Full time

Award Title

BEng/MEng

Course Length

2 years

Department

Engineering

Entry Requirements

Higher Maths and a science or technological subject; or Foundation Apprenticeship Engineering; or other relevant qualifications at SCQF Level 6. Entry subject to interview and group task.

SCQF Level

8

SCQF Points

«SCQFPoints»

Progression Routes

Year 3 MEng Mechanical Engineering at Heriot-Watt University

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Grangemouth Road
Falkirk
FK2 9AD

Website

www.forthvalley.ac.uk