

Computer Aided Design for Construction and Manufacture (Level 6)

Forth Valley College

Venues

Falkirk Campus

Content

The course aims to provide a thorough insight and training into both the practical and theoretical skills required to work and operate within a range of Construction and Manufacturing design disciplines with Computer Aided Design (CAD) at its core.

Students will learn about CAD roles within a draughting and design office and how CAD skills can lead to careers in Design Engineering and Construction, for example, CAD Technician for Civil Engineering and Architectural projects.

Technology plays a very large part in the Construction and Engineering industries and the course will introduce students to technology used within a workshop and construction site setting.

The final section of this course will prepare candidates for all aspects of the use, specification and reasoning for new and sustainable technologies.

Subjects Include:

Computer Graphics; Drawing Office Practice; 3D CAD; CADD Project; Computer Aided Drafting: An Introduction; Construction Site Surveying: An Introduction; Engineering: Applying Information Technology; Sustainable Design; Engineering Workshop Skills; Engineering Assembly Skills; Engineering Materials; Industrial Computerised Numerical Control (CNC) Part Programming; Mathematics: Technician 1 and Applications.

Start Date

August

Qualification

NQ

Study Method

Full time

Course Length

1 year

Department

Construction

Entry Requirements

National 5 English, Maths and a science or technological subject, or relevant national qualifications at SCQF Level 5.

SCQF Level

6

SCQF Points

«SCQFPoints»

Progression Routes

Relevant HNC/D.

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

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Website

www.forthvalley.ac.uk