

Computer Aided Draughting and Design

Glasgow Kelvin College

Venues

Springburn Campus

Content

This two-year HND in Computer Aided Draughting and Design (Computer Aided Design – CAD) gives you the practical skills and technical knowledge needed to turn ideas into accurate 2D drawings, detailed 3D models, and fully realised prototypes. You'll learn how modern design industries—from engineering and manufacturing to architecture and product design—use CAD to solve problems, speed up production, and bring innovative concepts to life.

Year 1 – Core Design Foundations:

Create 2D engineering drawings and 3D models with precision and attention to detail; Learn industry standards for design documentation, tolerances, and assemblies; Build confidence in spatial awareness, file management and workflow organisation; Explore parametric modelling, rapid prototyping, 3D; printing and 3D scanning; Experiment with virtual reality environments to visualise design concepts.

Year 2 – Advanced Design & Industry Practice

Develop complex surface and solid models for manufacturing and architectural use; Produce interactive and immersive engineering visualisations for presentations and clients; Work hands-on with prototyping, fabrication, and simulation tools; Apply engineering principles, materials knowledge and design optimisation techniques; Complete industry-style design projects that prepare you for real-world employment or further study.

Start Date

August

Qualification

HND

Study Method

Full time

Course Length

2 years

Department

Computer Aided Design and Technology

Entry Requirements

1 Higher, preferably in a technological or design subject, or Foundation Apprenticeship Engineering, or relevant national qualifications at SCQF Level 6.

SCQF Level

8

SCQF Points

«SCQFPoints»

Progression Routes

Relevant degree programme.

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

123 Flemington Street
Glasgow
G21 4TD

Website

www.glasgowkelvin.ac.uk