

Computer Aided Design and Advanced CAD



Location	Stretford Campus
Duration	The evening courses run on Thursday. Teaching sessions start at 18.00 and end at 21.00 for 22 weeks i.e. 3hrs per week. Course start date is 14th January 2016 and end date 23rd June 2016.
Full/Part time	Part-time
Department	Engineering

Course Overview

This unit will enable the learner to have the knowledge and practical skills to create complex drawings including annotations and output using multiple view layouts. It will also enable them to manage CAD drawing data and libraries in line with industry standards.

Course Requirements

Level 3 is ideal if you have a background in computing and design and you may have worked in manufacturing or engineering design for some time. You want to develop specialist 2D/3D design skills to help you move on in your career. You must have completed the City and Guilds Level 2 Award in 2D CAD.

An initial assessment of each candidate will be made before the start of the programme to identify candidates that have any specific training needs support, credit they have accumulated and the appropriate type and level of qualification.

There will be an induction programme so the candidate fully understands the requirements of the qualifications, their responsibilities as a candidate, and the responsibilities of the centre. This information will be recorded on a learning contract.

Course Skills & Benefits

This course will provide you with the essential skills in how to use Computer Aided Design software. You will be able to layers, complex dimensions and text, use library items and external references, produce complex drawings, carry out advanced editing processes, use methods to cleanse a CAD drawing and output drawings using multiple scale views.

Mandatory Units

All units of this qualification are mandatory.

Optional Units

There are no optional units.

Course Progression

This qualification is designed for learners wishing to undertake a career as a draughts person or design engineer who are already using CAD in industry or education.

Progression will lead to the Level 3 certificate in CAD upon completion and passing of Level 3 Parametric Award, Level 3 2D CAD and Level 3 3D CAD.

The qualifications could lead to a career as a CAD draughts person. It could also help you to progress into similar courses within higher education.

Course Assessment

There is an assignment with three tasks that must be completed in 5 hours which is split in three consecutive sessions.

Task A consists of creating of component parts, Task B is an assembly drawing and Task C comprises of Short-answer questions. All the three tasks are internally assessed in the college and externally verified by City and Guilds. The tasks are graded Pass, Merit and Distinctions

Course Finance

£650 per course at level 3 of the City and Guilds CAD. This includes learning materials tuition fees and assessment fees.

Course Additional Information

Part-time