

Computer Aided Design Parametric Modelling (Inventor) Award Level 1 City & Guilds

Course Details

To equip candidates with an understanding of the CAD Parametric Modelling environment, in terms of hardware, software and physical surroundings. It will explore the typical composition of a CAD Parametric Modelling system and Health and Safety matters that are associated with safe working practices.

There are **eight** learning outcomes to this unit. The learner will be able to:

- Use associated IT, CAD hardware and operating systems.
- Use basic file management techniques and maintain health and safety requirements.
- Demonstrate an understanding of the parametric modelling process, the user interface and how to access help and tutorials.
- Use a range of commands to create and constrain sketches.
- Use the range of commands to produce extruded and revolved features.
- Use placed features to modify parametric models.
- Use methods to create assemblies.
- Use the drawing layout environment to produce hard copies.

Entry Requirements

Although no formal prior qualifications, learning or experience are required, candidates should have general computing skills and a basic engineering knowledge and ideally some experience of using a CAD system.

Assessment

This unit will be assessed by:

- Two assignments covering practical skills.
- One GOLA on-line test covering underpinning knowledge.

Learning Outcome

Students will have the opportunity to sit the assessment tests for this certificate, providing they reach the required level of proficiency.



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Course Information

**ALL FEES ARE SUBJECT TO REVIEW
PLEASE REFER TO PART TIME PROSPECTUS**

FACTFILE	
Attendance	Part Time
Duration	30 weeks
Starting	14/09/2011
Location	Corporation Road
Timetable	Wednesday 18.30-20.30
Course Tutor	D Holmes
Revision Date	June 2011
Division	Engineering