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City & Guilds

601/5120/1 Level 1 Award in Parametric Modelling

(OVERVIEW)

- What does this qualification cover?

This qualification provides an introduction into Computer Aided Design (CAD) Parametric Modelling, including the use of hardware, software and an understanding of the physical surroundings. It will allow learners to cover skills and knowledge required for preparing to progress to further learning needed to work as a designer or draughts person in the Advanced Manufacturing and Engineering sector.

All learners will complete the following unit:

- Computer Aided Design Using Parametric Modelling Software

The following areas will be covered within the unit:

- Being able to use a parametric modelling workstation safely
- Using key components used in parametric modelling software
- Using commands to create and constrain sketches
- Using commands to produce features
- Creating an assembly
- Producing an output using the drawing layout environment

This is a Framework qualification.

- Who could take this qualification?

This qualification is designed for learners wishing to undertake a career as a draughts person or design engineer who have little or no knowledge of Parametric Modelling software. It is suitable for anyone aged 16 years old or over and has no formal entry requirements.

WHAT COULD THIS QUALIFICATION LEAD TO?

Learners could progress onto an intermediate apprenticeship in Engineering or other qualifications such as:

City & Guilds Level 2 Award in Parametric Modelling – 601/5113/4

City & Guilds Level 2 Award in 2D Computer Aided Design - 601/5115/8

City & Guilds Level 2 Certificate in Computer Aided Design – 601/5118/3

City & Guilds Level 2 Diploma in Engineering - 600/0881/7

This qualification could lead to jobs roles such as:

- Draughtsperson
- Design Engineer.

WHO SUPPORTS THIS QUALIFICATION?

This qualification is supported by the following Colleges of Further Education and Training Providers:

- Tameside College
- Bracknell and Wokingham College
- CAD Centre UK