

Construction

Construction: Parametric Modelling C&G Level 1 Award Part Time

In Brief

Start Date / Duration

This course is offered throughout the year. The course will run for 3 hour per week for a total of 20 weeks.

Entry Requirements

No formal entry requirements are needed for this course.

You will achieve

Level 1 Award in Computer Aided Design Using Parametric Modelling Software

Course Overview

Learn the essential skills in how to use Computer Aided Design software in our excellent construction department and purpose developed IT suite. You will learn how an object is designed in either 2D or 3D and how objects can be manufactured. This unit will equip you with an understanding of the CAD Parametric Modelling environment, in terms of hardware, software and physical surroundings. You will explore the typical composition of a CAD Parametric Modelling system and Health and Safety matters that are associated with safe working practices.

Course Content

You will receive training and development towards the Unit 101 Computer Aided Design Using Parametric Modelling Software . Within the course, you will develop the required skills and knowledge towards the following areas, leading to successful completion of the final assignment.

You will be able to:

- Use a parametric modelling workstation safely
- Use key components used in parametric modelling software
- Use commands to create and constrain sketches
- Use commands to produce features
- Use placed features to modify parametric models
- Create an assembly
- Produce output using the drawing layout environment

How will I be assessed?

This qualifications is assessed by an assignment set by City & Guilds, internally marked by the centre and externally verified. This assignment is graded Pass, Merit and Distinction. The assignment consists of a practical task and short-answer questions.

What Equipment Will I Need?

Basic stationery, all other equipment will be supplied.

Where will I study?

Construction Centre
Honeywell Lane
Barnsley
S75 1BP

What can I do next?

Upon completion of this course you may wish to study this topic further. The courses below show the natural progression should you wish to study further.

Level 2 Award in Computer Aided Design Using Parametric Modelling Software
And then;
Level 3 Award in Computer Aided Design Using Parametric Modelling Software

How much does the course cost?

The cost of the course is £390. Funding may be available.

19+ Students

Aged 19 or over and thinking about further education? You may be eligible for free or reduced course fees . Please refer to our page ['paying for your course.'](#)

Extra information

Funding for Local Flexibility

This course may have additional funding available as follows:

For learners living in applicable South Yorkshire or West Yorkshire areas:

- If you receive benefits* or earn below £21,255 you may not have to pay any fee for this course
- If you do not benefits or earn below £21,255 then you may have to pay some of the course fee

If you live outside of the applicable South Yorkshire or West Yorkshire areas:

- You will have to pay the full fee for this course

*Benefits include Job Seekers Allowance, Employment and Support Allowance or Universal Credit.

If you are unemployed, actively seeking employment and receive Council Tax Benefit, Housing Benefit, Income Support or WFTC then you may also receive funding for this course. You will need to provide evidence of your eligibility which will be checked at enrolment.

This course is funded by South Yorkshire Mayoral Combined Authority (SYMCA) and/or West Yorkshire Combined Authority (WYCA). You must be living in the South or West Yorkshire regions to qualify for funding.

Disclaimer

Please note we reserve the right to change details without notice. We apologise for any inconvenience this may cause.

Last updated: 18th March 2024

Want to apply?

Visit <https://www.barnsley.ac.uk/apply> to get started

Call us on **01226 216 123**