

Construction

HN Flex - Construction - Building Information Modelling (Unit 13)

In Brief

Start Date /
Duration

Entry Requirements

You will achieve

You must have GCSE grades at A* to C (or equivalent) and/or 9 to 4 (or equivalent) in maths and English.

You will also need one of the following

- BTEC Level 3 qualification in Construction
- Related Level 3 qualification in Construction
- An Access to Higher Education Diploma from an approved further education institution
- Relevant Industry work experience

This course will start in September. This unit will run for 3.5 hours per week for 17 weeks.

Equivalent international qualifications for the above will also be accepted.

Anyone looking to retrain in a new career or upskill to enhance their existing career can apply if they:

- are aged between 19 and 60
- live in England
- live outside of England but work in England (some further conditions may apply – check eligibility with the provider)

- On completion of the Pearson HN Flex unit, you will be able to produce a construction information package and gain 15 credits towards the Higher National Certificate in Modern Methods of Construction (120 Credits)
- On successful completion of Unit 13 – Building Information Modelling, Unit 6 – Digital applications for construction information, can be stacked, gaining additional towards the HN Modern Methods of Construction qualification.

Course Overview

Building Information Modelling (BIM) is an approach to information generation and management in a collaborative environment. The aim of BIM is to ensure that better information is created, shared and

kept secure so that the design, construction, occupation and maintenance of our built assets can be more efficiently managed. In short, BIM is a collaborative approach that involves a clearly defined set of processes.

The aim of this unit is to develop background knowledge and understanding of Building Information Modelling (BIM) in the context of the construction industry. You will be introduced to the drivers and benefits associated with BIM, as well as the terminology that surrounds it.

The knowledge gained in this unit develop you with an understanding of the importance of BIM in the context of current roles and responsibilities in the construction industry. You will also gain an understanding of how this may influence future choices in your professional careers.

Develop the skills needed to produce accurate and consistent construction information using industry-standard software.

This course is delivered as part of the South Yorkshire Institute of Technology (SYIoT).
[<https://www.barnsley.ac.uk/syiot/>]

Course Content

Unit 13 – Building Information Modelling, where you will develop knowledge and understanding of the key areas below:

- Building Information Modelling (BIM) in the context of local, national and global developments in the construction industry
- Key features of Common Data Environment for a given project in relation to information producers and information uses
- Project Information Model and the Asset Information Model in terms of their use through a project lifecycle
- Assess the benefits of Building Information Modelling (BIM) for the stakeholders involved in a building project.

Logo for the Institute of Technology logo [<https://www.barnsley.ac.uk/syiot/>]

How will I be assessed?

Authorised Assignment Briefs; graded Pass, Merit and Distinction in the following areas for this unit:

- Discuss the term Building Information Modelling (BIM) in the context of local, national and global developments in the construction industry
- Illustrate the key features of Common Data Environment for a given project
- Explain the Project Information Model and the Asset Information Model
- Assess the benefits of Building Information Modelling (BIM) for the stakeholders involved in a building project.

What Equipment Will I Need?

Basic stationery and drawing equipment with a folder. All other course materials will be provided.

Where will I study?

Construction Centre
Honeywell Lane
Barnsley
S75 1BP

What can I do next?

Progressions opportunities:

Enhance career and employment opportunities in the workplace.

Further study within HN suite and then progress to HND and University

Ability to “stack” skills towards a full long term Higher National qualification in the future

Study further individual HN units which have been adopted from the Ofqual regulated suite.

Progress to a full HN via the Recognition of Prior Learning (RPL) process.

The opportunity to align individual units to Apprenticeship Standards.

Receive a Certificate of Unit Completion which will detail the unit studied.

The Certificate of Unit Completion will not contain the Ofqual logo, only available on completion of the full HN qualification.

How much does the course cost?

An individual unit costs £750. You can study this unit alongside the Digital Applications for Construction Information unit at no cost until August 2025. For more information please see below.

Extra information

No Cost for HN Flex Units

Under the Modular Acceleration Programme, Barnsley College is able to offer selected HN Flex units at no cost to students or employers until August 2025. You will not need to repay any tuition fees to study the combined two units as part of this package, although the funding you access will reduce the amount remaining in your future Lifelong Learning Entitlement (LLE) account. This funding can be accessed by any student aged between 19 and 60 who lives in England. Visit the Gov website for more information about the Modular Acceleration Programme

[<https://www.gov.uk/government/publications/lifelong-learning-entitlement-modular-acceleration-programme/the-modular-acceleration-programme-map>] or LLE

[<https://www.gov.uk/government/publications/lifelong-learning-entitlement-lle-overview/lifelong-learning-entitlement-overview>] .

Contact the Information Unit

For further information please contact our friendly Information Team on +44 (0)1226 216 123 or email info@barnsley.ac.uk [<mailto:info@barnsley.ac.uk>]

Disclaimer

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

Last updated: 8th October 2024

Want to apply?

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

Call us on **01226 216 123**