Construction

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

In Brief

Start Date / Duration

This course will start in January 2024. This unit will run for 3.5 hours per week for 17 weeks.

Entry Requirements

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

Equivalent international qualifications for the above will also be accepted.

You will achieve

- 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.

SOUTH YORKSHIRE INSTITUTE OF TECHNOLOGY [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 of completion of the full HN qualification.

How much does the course cost?

£750

Extra information

Last updated: 13th March 2024

Want to apply?

Visit **https://www.barnsley.ac.uk/apply** to get started
Call us on **01226 216 123**