

Level 3 Construction and the Built Environment – Extended Certificate

Equivalent in size to one A Level. Students complete 5 units, of which 3 are mandatory and 2 are external. The Extended Certificate is for students who are interested in learning about the Construction and the Built Environment sector

Units are:

- Construction Principles – External Exam - Students explore properties of construction materials, how they are manufactured and how they perform in service. Also learn how to apply mathematics in construction contexts and how heat, light and acoustics contribute to human comfort levels
- Construction Technology – External Exam - students study the underlying principles and construction methods used in the construction of new buildings
- Design for Construction and the Built Environment - Students will apply the principles and practice of design and construction for low and medium-rise buildings and structures
- Construction Commercial Management - Students will examine contracts and procurement routes for construction projects.
- Retrofit in Construction and the Built Environment - Students will gain the skills required to propose retrofit developments to buildings, for energy and environmental improvements and contributing to a Net Zero future.

Level 3 3D Design – Introductory Diploma

Equivalent in size to one A Level. Students complete 5 units,

Units are:

- Art and Design
- Constructing 3D Models
- Creating 3D Design Work
- 3D Product Design
- Spatial Design

Students will learn about important trends in the design field. They will be able to develop ideas for a 3D product, in response to a brief related to the construction industry. They will plan the realisation of the final 3D product and be able to produce and present a scale model or final 3D product for feedback.

Level 3 Design, Engineer, Construct - Diploma

Equivalent in size to one A Level. 50% Portfolio and 50% Exam

Learners develop, design, deliver and evaluate a fit for purpose, functional building and can be based on their own interpretation of a ‘real’ project brief. Their building should be highly sustainable and inclusive and enable learners to demonstrate advanced knowledge and use a range of industry process and digital skills.