

BTEC First Award Level 1/Level 2 in construction and the built environment



This course provides an insight into the construction industry from preconstruction work to practical tasks.

75% of this course is coursework and 25% is an externally sat exam.

All students are required to complete a Health & Safety and risk assessment before going into the workshop. All PPE required will be supplied.

Unit 1 - Construction technology (exam 1 hour 30)

This unit covers:

- Performance requirements of materials
- Fire resistance
- Thermal insulation
- Thermal resistance
- Sound insulation
- Weather resistance
- Sustainability
- Common structural forms for low-rise construction
- Pre-construction work
- Sub-structure groundwork
- Superstructures

Unit 2 - The use of science and mathematics in construction

This unit covers:

- Effect of forces
- Changes in temperature
- Algebraic and graphical methods
- Mensuration

Unit 5 - Exploring carpentry and joinery techniques and principles

This unit covers:

- Tools and materials
- Safe use and storage of tools and materials
- Health and Safety
- Construction of a timber frame

Unit 3 - Construction and design

This unit covers:

- The work of the construction industry
- Construction activities
- Understanding a client's needs
- Understanding the constraints on design
- Producing a client brief
- Generation of initial sketch ideas

Unit 6 - Exploring brickwork and blockwork techniques and principles

This unit covers:

- Tools and materials
- Safe use and storage of tools and materials
- Health and Safety
- Cavity walls