

ARCHITECTURE ENGINEERING & CONSTRUCTION

LEVEL 3 ALTERNATIVE ACADEMIC QUALIFICATION
IN DESIGN, ENGINEER, AND CONSTRUCT IN THE
DIGITAL BUILT ENVIRONMENT (EXTENDED
CERTIFICATE)

EXAM BOARD: TQUK

NEA
60%

WRITTEN
EXAM 40%

Why study Architecture, Engineering & Construction?

The Level 3 AAQ in Design Engineer Construct is an advanced programme for learners looking to increase their knowledge of professional practice in the digital built environment.

Learners develop knowledge and skills in conducting research to inform the creation of initial design concepts; developing and adapting designs; project management and planning.

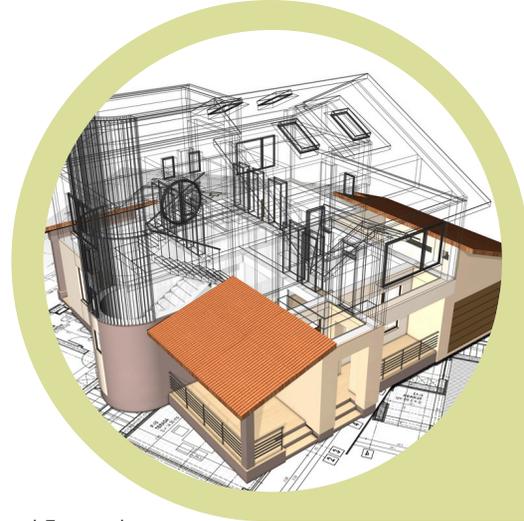
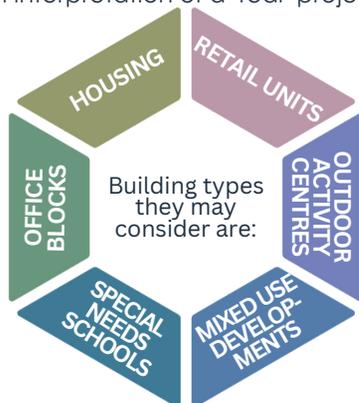
They also gain key knowledge in Building Information Modelling (BIM), evaluating site conditions, conducting a feasibility study, applying sustainable construction principles and practices involving energy efficiency, waste management and assessing the environmental impact of a construction project.

It brings together the built and natural environment, focusing on climate resilience, biodiversity, and regeneration.

Students will be provided with a unique opportunity to develop the knowledge, competencies, behaviours and skills fundamental to successful engagement in the professional aspects of architecture, engineering and construction.

Subject Specification Outline:

Learners develop, design, deliver and evaluate a fit for purpose, functional building based on their own interpretation of a 'real' project brief.



Final Examined Format:

60%

Non-examined assessment

- Research, Concept, and Context
- Design and Information Management
- Evaluating & Documenting a Sustainable Construction Project

40%

Examined assessment

- Sustainability and Planning
- Facilities Management and Financial Planning

Self Study Requirements:

Pupils are expected to carry out extensive researching around their work in their own time in order to create the required portfolio.

Progression Pathways:

An excellent basis for entry into a variety of pathways within the Architecture, Engineering and Construction industry including Architecture, Project Management, Building Services Engineering, Quantity Surveying, Land Surveying, Building Control, Design Engineer, Multimedia Designer, Engineering, (Civil, Mechanical, Structural).

The course can also lead to progression to Higher Education Courses including Architecture, Architectural Technology, Surveying, Project Management, Product and Industrial Design, Construction and Engineering courses.

Our students, beyond Stratford:

Lara - Architecture at the University of Liverpool
Jack - Architecture at BCU
Alfie - Architectural Engineering at BCU
Mahir - Quantity Surveying at Coventry
Jack - Urban Design and Planning at Oxford Brookes

Apprenticeships

Charlie - Building Surveying with Ridge Construction
Kian - Project Management with MACE
Harmony - Quantity Surveyor with Kier
Belle - Balfour Beatty
Ben - Highways with 4Way