CIVIL ENGINEERING

Course Title:	BTEC L3 Civil Engineering	**Course Code:**	603/1216/6
Exam Board:	Edexcel	**Course Length:**	2 years

Units Covered:

- Construction Principles
- Construction Desig
- Tendering & Estimating
- Construction Technology
- Health & Safety in Construction
- Graphical Detailing in Construction
- Building Regulations and Control in Construction
- Management of a Construction Project
- Site Engineering for Construction
- Measurement Techniques in Construction
- Further Mathematics for Construction
- Work Experience in the Construction Sector
- Construction in Civil Engineering
- Public Health Engineering
- Highway Construction and Maintenance in Civil Engineering

PROGRESSION

After completing this course there are a number of options available for you; depending on your final grade you could move onto a higher education course including a HNC in Civil Engineering, a HND in Civil Engineering, a Higher Apprenticeship or progress to university. Employers seek graduates who are commercially aware and capable of working well within a team environment.

HOW AM I ASSESSED?

- The course is split into modules with each module being assessed upon completion. Therefore there will be multiple assessment points throughout the year.
- There are three external assessment modules and these will be assessed in either January or May of each year.
- The attained grades for each module will be combined to give an overall grade for the course.

HOW TO BE SUCCESSFUL?

- Complete all units of work within the set time frame.
- Undertake background reading around the subject to build up engineering knowledge.
- Practise workshop activities to develop your skills and understanding of various types of civil engineering processes.
- Extend your own learning and development via research to ensure knowledge is in place for examinations.

6 X NATIONAL AVERAGE

HIGH QUALITY STEM APPRENTICESHIP

SPECIALIST INDUSTRY PLACEMENTS

WHY CIVIL ENGINEERING?

Civil engineers create, improve and protect the environment in which we live. They plan, design and oversee construction and maintenance of building structures and infrastructure, such as roads, railways, airports, bridges, harbours, dams, irrigation projects, power plants, and water and sewerage systems. They also design and build tall buildings and large structures that can withstand all weather conditions. This is a diverse and developing industry with increasing emphasis on partnerships between organisations, sustainability and environmental considerations.