

Foundation Apprenticeship in Civil Engineering



CIVIL ENGINEERING

SCQF Level 6

Working alongside structural engineers, civil engineers do the job of designing roads, buildings, railways, sewerage systems, airports, dams, canals, and pipelines and bridges. The Queensferry Crossing across the Firth of Forth is one great example of civil engineering. The average civil engineer salary in Scotland is £47,675 which is 40% more than the average salary across the country.

CAREER PATHWAYS

- Civil engineer
- Site engineer
- Water engineer
- Site technical support

COURSE DESCRIPTION

The Foundation Apprenticeship is made up of a National Certificate: Civil Engineering and a selected SVQ unit and an Industry Challenge Project. You will learn in a classroom environment, have industry led talks and carry out a work placement with a local employer to undertake the SVQ units of the course. Together these aspects ensure that you gain industry knowledge, skills and competence as well as the relevant theories and reasons behind the work-based element of the programme. You will also be registered with the Institution of Civil Engineers (ICE) as student members as part of the Foundation Apprenticeship.

COURSE CONTENT

NC Elements

- Civil engineering materials
- Civil engineering project
- Civil engineering site work
- Civil engineering technology
- Computer Aided Drafting: An introduction
- Construction site surveying: An introduction

- Health and safety in the construction industry
- Construction engineering mathematics
- Construction technology: Groundworks and substructures
- Construction measurement and costing
- Mathematics craft 1

SVQ ELEMENTS

- Develop and maintain working relationships and personal development in construction

SKILLS DEVELOPED

- Report writing skills
- Problem solving
- Working with others
- Analytical skills

ENTRY REQUIREMENTS

- 4 National 5s at grade C or above (one of which must be Mathematics)
- You must be capable of working at SCQF Level 6 (Higher) in S5
- An excellent attendance record in school

COURSE DURATION

2 years

TARGET YEAR GROUP

S5

ADDED VALUE FOR FUTURE PROGRESSION

Fife College will accept achievement of the FA in Civil Engineering as equivalent to two Highers. Candidates will also be expected to have 2 National 5 awards to support you to gain entry onto an HNC or HND in Civil Engineering, Architectural Technology, Quantity Surveying or Construction Management.

UCAS Tariff Points: 56

SCQF Credit Points: 84