Higher Apprenticeship in Construction Management (Civil Engineering)
Foundation Degree Science Civil Engineering
Level 4/5

Built environment management includes the ability to plan, co-ordinate and monitor on-site construction works in order to successfully manage the safe and cost effective delivery of a wide range of construction projects.

Civil Engineers are part of an extensive team responsible for the planning, erection and function of infrastructure and buildings. Trainee Civil Engineers will develop a wider understanding of built environment processes and development required to become a built environment professional/practitioner and the opportunity to progress through higher levels of study.

Through the Higher Apprenticeship programme you will develop the skills and an appreciation to address a wide range of issues and will work with others to deliver successful projects.

On an apprenticeship you will be supported by your employer and academic sponsor. Course content includes elements of work-based learning, principals of structural design, foundation design, hydraulics, construction law and your professional development.
Job roles/Occupations

Successful civil engineering trainees will be appropriately skilled and knowledgeable to meet the job profile of a technical, supervisory manager - professional/practitioner - within the built environment section and will be able to specialise in many fields of civil engineering; transportation, geotechnics, water, flood systems, structural engineering, coastal protection. Some of the roles for progression include Site Engineering; Sub Agent; Construction Project Manager.

Benefits

Through the combined use of practical and educational experience and support, the aims of the trainee built environment management course are to enable you to:

• gain the essential skills and knowledge of all aspects of built environment management, focusing on the technologies, law and management skills needed to deliver projects to professional and to quality standards.
• develop transferable skills of team working, independent learning, decision making and problem solving
• develop an awareness of and consider the impact and solutions to current management issues in your organisation and the built environment sector
• enhance your skills in construction and built environment related projects, management of people and resources, decision making, leadership and project management skills
• make decisions on the specialist routes available for professional development in built environment sector.

How it works

The Higher Apprenticeship has been designed and developed in collaboration with employers and professional bodies and to access the apprenticeship you will need to be currently employed within the built environment. However non-cognate applicants are eligible for the course (subject to interview). The typical duration for this foundation degree course is two years and requires (1 day) attendance per week (24 weeks a year), but this will depend on the previous experience of the apprentice and access to opportunities to gain the full range of competence. The course will require you to complete all modules on the course and successful completion of the Higher Apprenticeship will lead to a Foundation Degree in Science Civil Engineering. Modules include:

• Principal of Design
• Fundamentals of Geotechnics
• Mechanics of Materials
• Construction Law
• Hydraulics
• Structural Applications
• Geotechnical applications

You will develop

Awareness of the environmental impact of construction activities and the need to minimise negative impacts during all stages of a project. The use and re-use of land for development and regeneration.

Knowledge of the current legal, political and social issues on the industry. The procurement and contractual products and processes used in the sector.

An appreciation of the design principals which underpin all civil engineering projects.

Knowledge and understanding of the construction process and of the materials and technology that comprise best practice, including obligations for Health, Safety and Welfare issues on site, how to identify potential hazards and manage the risks.

Qualifications

On successful completion of this course you will be given an opportunity to:

• progress on to a Degree Apprenticeship in Civil & Transportation Engineering or Infrastructure Engineering Management.
• progress towards industry certificates in Site Safety Plus Site Managers’ Safety Training Scheme and Site Environmental Awareness Training Scheme which are required for safe operations in the workplace.

Entry requirements

• 40 points from A-level or equivalent.
• Access to Higher Education Diploma (60 credits, 45 at level 3).
• Other qualifications or relevant experience will be considered (Mature entry route).

Fees and funding

For employers with a payroll below £3 million: For employers who will not be paying the Apprenticeship Levy, the Government will pay 95% of the cost of the Apprenticeship training and assessment for Apprentices of any age. They may also be eligible for extra employer incentives.

For employers with a payroll above £3 million: Employers will be able to use their Apprenticeship Levy contributions towards the cost of the Apprenticeship using their digital account.

We will agree a payment schedule and discuss funding availability with each employer before starting any Apprenticeships to ensure the cost to a business is clear upfront.

Register your interest

Call: 0800 953 3222
Email: apprenticeshiphub@wlv.ac.uk
wlv.ac.uk/apprenticeships