UNIVERSITY OF WOLVERHAMPTON

Civil and Transportation Engineering Degree Apprenticeship

Level 6

Civil engineers have the important role of planning, designing and managing infrastructure and construction projects. A civil engineer's work comprises:

- Project delivery – An awareness of business, client and end user needs throughout the project lifecycle. Plan and manage tasks, people and commercial budgets to deliver quality assured outputs on time and to client and industry specifications, standards and guidance.
- Design – Define engineering and other constraints, identify risks and how these may be resolved through design. Develop safe and sustainable technical solutions and provide guidance to others by producing design models, calculations, reports and drawings, surveying a site, using applicable analysis and relevant codes.
- Analysis – Identify and use applicable digital solutions, other data gathering tools and tests to solve technical problems. Evaluate the effectiveness of the analysis, refine as required, and apply to an integrated solution.
- Construction – Determine construction methods and technical aspects of site activities. Identify and mitigate risk, develop and operate quality systems and health, safety and risk management procedures. Civil engineers work on virtually any construction project – including sports stadiums, office buildings and private homes.

APPRENTICESHIP HUB

TEF Silver

Education & Skills Funding Agency

European Union
European Social Fund

Job roles/Occupations

A degree in civil and transportation engineering is the starting point for an exciting career that can see you shaping the world we live in: locally, nationally and internationally. Civil and transportation engineering is all about creating, improving and protecting the sophisticated environment that surrounds us. Civil and transportation engineers are responsible for the design, management and construction of major infrastructure projects such as dams, reservoirs, transport projects, bridges, tunnels, major buildings, water supply, sewage, harbours and sea defences.

How it works

The Civil and Transportation Engineering Degree Apprenticeship has been designed and developed in collaboration with employers and professional bodies; to access it, you will need to be currently employed within the built environment sector. The typical duration for this degree apprenticeship course is five years and requires one day of attendance per week as part of the 20% off-the-job training and studying. The course requires you to complete all modules in order to achieve a successful completion.

Benefits

Through the combined use of practical and educational experience and support, the Civil and Transportation Engineering Degree Apprenticeship enables you to:

- gain the essential core skills and knowledge of all aspects of civil engineering: structures, geotechnical engineering, transportation, water and materials.
- focus on the technologies, law, information management, finance, health and safety, sustainability and consultancy 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 civil engineering issues in your organisation and the built environment sector
- enhance your skills in civil engineering and built environment related projects, management of people and resources, leadership and project management skills.

Qualifications

As a successful apprentice, you will achieve a BEng (Hons) Civil and Transportation Engineering and be assisted in securing Incorporated Engineering status.

The EPA, is for each apprentice to be prepared to undertake the IEng professional review. We work closely with the Institution of Civil Engineers who have an online facility for monitoring of professional development which can be accessed by employer, apprentice and the university.

It is expected that each apprentice will be supported by a mentor within the workplace as well as receiving guidance from the university academic staff who are familiar with professional body qualifications.

Entry requirements

As a minimum, applicants must have GCSEs at grade C+/4 or above in English and Maths or equivalent. In addition, ideally candidates will have:

- Three A-levels (or equivalent) in Mathematics and a Physical Science at grade C or above
- Or Level 3 Civil Engineering Technician Apprenticeship
- BTEC QCF Extended Diploma grade MMM, BTEC QCF Diploma grade DD
- Access to HE Diploma full award (Pass of 60 credits – of which a minimum of 45 credits must be at Merit or Distinction).

Direct entry into the second year (Level 5) of the course may be considered for applicants possessing an appropriate HNC/HND or equivalent qualification. Direct entry into the third year (Level 6) of the course may be considered for applicants possessing an appropriate Foundation Degree or equivalent qualification.

Age and experience are recognised and prospective students may be required to attend an interview.

Fees and funding

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

For employers with a payroll above £3 million: From May 2017 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 before you start your apprenticeships and ensure the cost to your business is clear upfront.

Register your interest

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