

# Degree Apprenticeship **Civil Engineering**

## Civil Engineering Degree Apprenticeship Level 6

### What is a Civil Engineer?

Civil Engineers provide technical and management input to develop design solutions for complex civil engineering problems. They will work as part of a team of engineers and other construction professionals through all life-cycle stages of development, design, construction, commissioning, operation, maintenance, and decommissioning of civil engineering infrastructure.

A Civil Engineer will be required to have a broad skills base to work in areas including sustainable construction, structural integrity, geotechnics (engineering behaviour of earth materials), materials, tunnelling, marine and coastal engineering, water, waste management, flood management, transportation, and power.

### Apprenticeship Summary

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|---------------------------------------|--|
| <b>Duration</b>                       | The typical duration for this Apprenticeship is 60-66 months, but this will depend on the previous experience and access to opportunities to gain the full range of competence.  |
| <b>Entry requirements</b>             | Apprenticeship candidates typically have at least three A levels at Grades A, including Mathematics and Science, or will have completed a Level 3 Apprenticeship as a Civil Engineering Technician.  |
| <b>Assessment and Training</b>        | Classroom-based theory and laboratories to further cement learning of theoretical principles and research. Most assessments will be coursework-based, and there will be some exams in preparation for the end-point examination which will be undertaken under controlled conditions, either in the University or another agreed location. |
| <b>Qualifications / Certification</b> | <ul style="list-style-type: none"> <li>■ BSc or BEng Civil Engineering Degree accredited by the Joint Board of Moderators.</li> <li>■ Apprentices without level 2 English and Maths will need to achieve this level before taking the end-point assessment.</li> </ul>   |

### What Knowledge, Skills and Behaviour will you achieve?

- Establishing work area protection
- Introduction to the Industry
- Segregation of highways works
- Basic Building methods
- Locating and protecting highway utilities
- Building elements & materials
- Excavations

