



LEEDS
BECKETT
UNIVERSITY

**BSC (HONS)
CIVIL ENGINEERING –
DESIGN ENGINEER**

**BSC (HONS)
CIVIL ENGINEERING –
SITE MANAGEMENT**

DEGREE APPRENTICESHIPS

Attract new talent and develop existing
staff at Leeds Beckett University

leedsbeckett.ac.uk/degreeapprenticeships



BSC (HONS) CIVIL ENGINEERING – DESIGN ENGINEER

BSC (HONS) CIVIL ENGINEERING – SITE MANAGEMENT

Our new Degree Apprenticeship courses are designed to offer organisations flexible pathways to develop skills, knowledge and competencies to match business and industry needs.

Apprentices will be in full-time employment whilst studying towards this degree. Modules will be delivered through part-time day release, work based learning and two-way knowledge transfer between industry and academia. This degree will enable apprentices to develop into confident and capable management professionals.

HOW DOES THE DEGREE APPRENTICESHIP WORK?

The courses will take up to five years to complete, dependant on previous qualifications and the course chosen. The apprenticeships comprise on-the-job practical training with academic learning. This approach combines face-to-face teaching, laboratory workshops, reflective practice and formal assessment. The experiential learning element of the courses focus on the student's workplace and specific areas of project work they are undertaking with regard to meeting key attributes required of a professionally recognised Civil Engineer. Students will work towards the end point assessment for this Degree Apprenticeship, which will provide Incorporated Engineer (IEng) status with the ICE via professional review. Employers also engage with professional development to help the student progress through their training.

WHERE WILL STUDY TAKE PLACE?

Students will be required to attend the University on a day release basis.

BSC (HONS) CIVIL ENGINEERING – DESIGN ENGINEER

The Degree Apprenticeship aims to provide a broad-based educational experience, enabling students to enter careers in the civil engineering and allied sectors. The target group for the programme is therefore students seeking to become engineering practitioners employed in the civil engineering and related disciplines.

Specifically, the course is aimed at those wishing to progress to careers in design consultancy, but also will allow entry into careers with site-based contractors, project management companies, government agencies and local authorities, modelling specialists and a variety of specialist design areas. The course will develop graduates skills, giving them the opportunity to work on major projects such as designing large structures and a variety of infrastructure including roads, water supply/drainage, bridges, airports, tunnels, sea and flood defences and structures supporting energy supply and transmission.

The course will allow students who simultaneously gain appropriate work-based learning in employment to gain membership of the Institution of Civil Engineers via a review for Incorporated Engineer status shortly after graduation.

BSC (HONS) CIVIL ENGINEERING – SITE MANAGEMENT

The Degree Apprenticeship aims to provide a broad-based educational experience, enabling successful students to enter careers in the civil engineering and allied sectors. The target group for this programme are those already holding an appropriate level four qualification, such as an HNC in Civil Engineering or a higher apprenticeship, who are seeking to become engineering practitioners employed in the civil engineering sector and or related disciplines.

Specifically, the course is aimed at those wishing to progress on to careers in site-management, but will also allow entry into careers with design consultants, project management companies, government agencies and local authorities, modelling specialists and a variety of specialist design areas. The course will develop graduates skills, giving them the opportunity to work on major projects such as designing large structures and a variety of infrastructure including roads, water supply/drainage, bridges, airports, tunnels, sea and flood defences and structures supporting energy supply and transmission.

The course will allow students who simultaneously gain appropriate work-based learning in employment to gain membership of the Institution of Civil Engineers via a review for Incorporated Engineer status shortly after graduation.

MODULES STUDIED ON THE PROGRAMME		
LEVEL 4 (CORE)	LEVEL 5	LEVEL 6
Civil Engineering Management A	Civil Engineering Management B	Hydraulics and Water Engineering
Civil Engineering Mathematics	Engineering Materials Technology	Structural Engineering Or Highway Engineering B
Site Surveying and CAD	Highway Engineering A	Geotechnical Engineering B Or Infrastructure Asset Management
Engineering Materials Science	Structural Design	Civil Engineering Major Project (40 credits)
Civil Engineering Project Plan and Design	Geotechnical Engineering A	Quantitative Methods for Decision Making
Engineering Mechanics	Civil Engineering Design Project Or Civil Engineering Design Project (EWB) Or Structural Analysis	

MODULES STUDIED ON THE PROGRAMME	
LEVEL 5	LEVEL 6
Civil Engineering Management B	Hydraulics and Water Engineering
Engineering Materials Technology	Structural Engineering Or Highway Engineering B
Highway Engineering A	Infrastructure Asset Management
Structural Design	Civil Engineering Major Project (40 credits)
Geotechnical Engineering A	Quantitative Methods for Decision Making
Civil Engineering Design Project Or Civil Engineering Design Project (EWB) Or Structural Analysis	

EMPLOYER BENEFITS & REQUIREMENTS

EMPLOYER BENEFITS

- Meet the unique needs of your business – with Degree Apprentices learning at work, they are able to develop the knowledge and occupational competencies demanded by specific job roles, and meet the unique needs of your business.
- Fill your higher-level skills gaps – higher-level skills are vital to business performance and economic growth. Through degree apprenticeships you can fill your higher-level skills gaps efficiently and effectively by tailoring the learning.
- Develop existing staff – you can develop your existing staff by allowing them to undertake a Degree Apprenticeship or enabling them to work with a Degree Apprentice in the workforce, through mentoring opportunities and more.
- Meet the targets of the Engineering Council UK and the Institution of Civil Engineers, to have most engineering staff with recognised professional qualifications such as Incorporated status.

EMPLOYER REQUIREMENTS

- Every apprenticeship must have an Apprenticeship Agreement. This is a contract of service between the apprentice and the employer, confirming the apprenticeship and the standard been undertaken. This will be supplemented by a 'Statement of Commitment' signed by the employer, provider and apprentice, setting out the expectations, roles and responsibility of each party involved in the apprenticeship.
- Apprentices must be employed and paid at least a minimum wage appropriate to their age and job role.
- You will be responsible for recruitment of Degree Apprentices. However, we can work with you to promote your opportunities via our website.
- You will provide paid time off for on campus study.
- Apprentices require formalised workplace mentoring to work alongside the university team to develop and co-ordinate projects.

FUNDING

If the annual pay bill of your organisation exceeds £3m you will pay for your apprenticeship training through your levy account. If you are a non-levy paying organisation the government will co-fund your apprenticeship training by contributing 90% of the costs and you will pay the remaining 10% of costs. For further information on apprenticeship funding visit the Government's website:

www.gov.uk/government/publications/apprenticeship-funding

KEY INFORMATION

ENTRY REQUIREMENTS

BSC (HONS) CIVIL ENGINEERING – DESIGN ENGINEER

96 UCAS points or equivalent required. Apprenticeship candidates will typically have at least three A levels at grades A*- C including mathematics and physical science or their equivalent or will have completed a level 3 apprenticeship as a Civil Engineering Technician and hold two distinctions for a BTEC National Diploma in Civil Engineering or related studies. GCSE grade C in maths and English required.

BSC (HONS) CIVIL ENGINEERING – SITE MANAGEMENT

Typical entry requirements for this Apprenticeship will be the completion of the Level 4 Construction Technician Standard; EngTech TMICE status; HNC in Civil Engineering or equivalent qualifications and commensurate experience.

FEES

Fees for the course will be a maximum of £27,000. (depending on level of entry)

FUNDING

If the annual pay bill of your organisation exceeds £3m you will pay for your apprenticeship training through your levy account. If you are a non-levy paying organisation the government will co-fund your apprenticeship training by contributing 90% of the costs and you will pay the remaining 10% of costs.

COURSE DURATION

BSc (Hons) Civil Engineering–Design Engineer: 5 years

BSc (Hons) Civil Engineering–Site Management: 3½ Years

Please contact us to discuss course start dates.

HOW TO APPLY

INDIVIDUALS

Apply direct to an employer offering opportunities on the programme. Visit our website for details of current vacancies.

BUSINESS

Contact the Degree Apprentice team.

T: 0113 812 4500

E: apprenticeships@leedsbeckett.ac.uk



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