LEEDS BECKETT UNIVERSITY

Course Specification

BEng (Hons) Civil Engineering

Course Code: BECIV

2026/27

leedsbeckett.ac.uk

BEng (Hons) Civil Engineering (BECIV)

Applicant Facing Course Specification for 2026/27 Undergraduate Entrants

Confirmed at

General Information

Award	Bachelor of Engineering with Honours Civil Engineering
Contained Awards	Bachelor of Engineering Civil Engineering (Level 6) Diploma of Higher Education Civil Engineering (Level 5) Certificate of Higher Education Civil Engineering (Level 4)
Awarding Body	Leeds Beckett University
Level of Qualification and Credits	Level 6 of the Framework for Higher Education Qualifications, with 120 credit points at each of Levels 4, 5 and 6 of the UK Credit Framework for Higher Education (360 credits in total).
Course Lengths and Standard Timescales	Start dates will be notified to students via their offer letter. The length and mode of delivery of the course is confirmed below: • 3 years (full time, campus based) • 4 years (full time, sandwich, campus based)
Part Time Study	PT delivery is usually at half the intensity of the FT equivalent course, although there may be flexibility to increase your pace of study to shorten the overall course duration. Some modules may be delivered in a different sequence to that defined within this information set but the modules offered within each level are consistent. Please note that the work placement option is not generally available to PT students.
Location(s) of Delivery	The majority of teaching will be at City campus but on occasion may be at Headingley campus.
Entry Requirements	Admissions criteria are confirmed in your offer letter. Details of how the University recognises prior learning and supports credit transfer are located here: https://www.leedsbeckett.ac.uk/student-information/course-information/recognition-of-prior-learning/ Admissions enquiries may be directed to: AdmissionsEnquiries@leedsbeckett.ac.uk.

Course Fees	Course fees are confirmed in your offer letter. A breakdown of any additional costs is included on the online prospectus entry for this course. Fees enquiries may be directed to Fees@leedsbeckett.ac.uk.

Policies, Standards and Regulations (www.leedsbeckett.ac.uk/academicregulations)

In line with a recent Engineering Council directive, a Regulation Exemption has been approved by the University which states that:

"Students must pass all modules which are mapped to Accreditation of Higher Education Programme (AHEP) learning outcomes with an overall mark of not less than 40% in the combined assessments, with a submission in each component for each module.

If students do not achieve these marks at the first attempt they will have the chance to undergo a re-sit in that particular area; if they still fail to achieve the marks at this attempt they will not be allowed to progress onto the following year until they have completed the module again and achieved the above mark.

Failure at the second attempt at a module will result in a student's withdrawal from the course."

The Engineering Council defines compensation as: "*The practice of allowing marginal failure (i.e. not more than 10% below the nominal passmark) of one or more modules and awarding credit for them, often on the basis of good overall academic performance*", and condonement as: "*The practice of allowing students to fail and not receive credit for one or more modules within a degree programme, yet still qualify for the award of the degree*".

In line with these definitions, and for the listed awards

a. No module mark may be condoned, and a pass award made for any module in the stated degree programmes
b. A student who is enrolled on one of the stated degrees can be compensated for a maximum of **one** module of a maximum of 20 credits
c. The individual and group project modules within the awards cannot considered for compensation under (b)
d. The minimum mark for which compensation is allowed is 30%, given a normal pass mark of 40%

For instance, a student entering at Level 4 and leaving at Level 6 on an award of 360 credits could only be compensated in *one* 20 credit module, no matter how many modules are taken between the entry point at Level 4 and graduation at Level 6.

Students who fail to stay within the compensation limits above **must** be transferred to a suitable non-accredited award or withdrawn from the course at the students option.

Professional Accreditation or Recognition Associated with the Course

Professional Body

Joint Board of Moderators (JBM) comprising:

The Institution of Structural Engineers

The Institute of Highway Engineers

The Institution of Civil Engineers

The Chartered Institution of Highways & Transportation

The Permanent Way Institution

Accreditation/ Recognition Summary

This degree is accredited by the Joint Board of Moderators (JBM) comprising of the Institution of Civil Engineers (ICE), Institution of Structural Engineers (IStructE), Institute of Highway Engineers (IHE), the Chartered Institution of Highways and Transportation (CIHT) and the Permanent Way Institution (PWI) on behalf of the Engineering Council for the purposes of:

- Fully meeting the academic requirement for registration as an Incorporated Engineer (IEng)
- Partially meeting the academic requirement for registration as a Chartered Engineer (CEng)

Candidates must hold a master's or doctorate accredited as further learning for CEng to hold accredited qualifications for CEng registration. Visit the JBM website (www.jbm.org.uk) for further information and details of further learning programmes for CEng.

'In Year' Work Placement Information

Summary

The course contains a placement year.

44 weeks, undertaken between year 2 and year 3 (level 5 and level 6)

Placement Delivery

Leeds Beckett is dedicated to improving the employability of our students and one of the ways in which we do this is to support our students to gain valuable work experience through work-based placements. Our placement teams have developed strong links with companies, many of whom repeatedly recruit our students into excellent placement roles and the teams are dedicated to supporting students through every stage of the placement process.

Location

Students are responsible for obtaining their own placement, with assistance from the University. The locations will vary, dependant on the opportunity.

Approval

Whilst students source their own placements, they will need to meet requirements which will be outlined before module enrolment.

Timetable Information

Timetables for Semester 1 will be made available to students during induction week via:

i) The Student Portal (MyBeckett)
ii) The Leeds Beckett app

Any difficulties relating to timetabled sessions may be discussed with your Course Administrator.

Key Contacts

Your Course Director	Tom Craven
Your Course Administrator	Emma Le - H.L.Le-Thi-Ngan@leedsbeckett.ac.uk

Course Overview

Aims

The course provides a broad-based education enabling successful students to enter careers in design, construction or operations within the civil engineering industry. The course aims to provide a broad-based technical educational experience, enabling successful students to enter careers in the civil engineering and allied sector. At present, there is a significant shortfall in the number of graduate civil engineers in the UK and, in a global context, particularly within the emerging economies. In the future, students who have studied STEM subject disciplines are going to be in great demand.

The target group for the BEng (Hons) Civil Engineering programme is therefore students seeking to become engineering practitioners employed in the civil engineering and related disciplines, i.e. design consultancy, site based contractors, project management, government agencies and local authorities, modelling and a variety of specialist design areas. This programme is seen as a stepping stone for students who enjoy problem-solving and would like to be involved in a diverse and interesting career and the opportunity to work on such projects as designing large structures and a variety of infrastructure including roads, water supply and drainage, bridges, airports, tunnels, sea and flood defences and structures supporting energy supply and transmission.

Course Learning Outcomes

At the end of the course, students will be able to:

1	Demonstrate a knowledge of the mathematical and scientific principles and methodologies, which underpin civil engineering and apply them to solve real-world problems.
2	Develop and critically evaluate solutions to engineering situations in diverse global contexts and demonstrate reflective learning.
3	Utilise a range of appropriate traditional and contemporary methods and tools to optimise solutions to civil engineering problems.
4	Demonstrate the skills necessary to investigate, evaluate and produce solutions to real design-related engineering problems (including the requirement to work with technical uncertainty) whilst utilising technical literature and the appropriate codes of practice and/or industry standard.
5	Develop a knowledge of, and technical proficiency with, health and safety, and sustainable, environmental and economic development and the frameworks in which they operate.
6	To apply the mechanical and physical characteristics of civil engineering materials to Design Scenarios through practical laboratory work.

Teaching and Learning Activities

Summary

All modules on the course are designed for formal lecture-based delivery, accompanied by tutorial, laboratory practical and fieldwork sessions to consolidate student learning and enhance the student experience.

Student support and pastoral care is provided by the course team via a dedicated course administrator as well as subject specialist tutors, personal tutors, module leaders, level tutors and the course leader. In addition, the team operate an open access policy which gives students easy access to academics outside of taught sessions.

Emphasis is placed on the practical application of technical engineering principles to provide solutions for increasingly complex engineering problems. Aspects of the course which are particularly relevant to professional and transferable skills development and employability are:

- Exposure to industry standard software for analysis, design and drawing. Students are also taught the latest Eurocode design standards and the government endorsed NEC Contracts.
- Exposure to professional practice via site visits together with a professional body (ICE) compliant PDP scheme for students. Further exposure is through visiting speakers.
- Experience in IT using industry standard software for analysis, design, drawing and planning.
- Hands-on experience of laboratory testing in Civil Engineering materials, soils and fluids
- Practical design applications and case studies relevant to current engineering practice

- A broad range of study covering both technical and management-based subjects which build knowledge, understanding and application across levels.

- Design solutions to practical problems. Initially simple problems with tutor lead design solutions. The problems presented become increasingly complex, necessitating imagination and judgement in developing a practical solution. At all levels, the design problems are case study based and relevant to current industry practice.

As required by the PSRB, threads (Design, Health Safety and Risk Management, Sustainability) permeate the curriculum both horizontally and vertically and this is embedded in the modular content.

This course will mainly feature in-person learning for any taught sessions.*

*Where appropriate for learning, some IT sessions may be delivered by recorded video with tutor support.

Your Modules

This information is correct for students progressing through the programme within standard timescales. Option modules listed are indicative of a typical year. There may be some variance in the availability of option modules. Students who are required to undertake repeat study may be taught alternate modules which meet the overall course learning outcomes. Details of module delivery will be provided in your timetable.

Level 4

Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Civil Engineering Management	20	1
Advanced Mathematics	20	1
Surveying A and CAD	20	1 & 2
Engineering Mechanics	20	2
Applied Mechanics	20	2
Engineering Materials Science	20	2
Number of credits of compulsory modules	120	

Level 5

Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Civil Engineering Management B	20	1
Geotechnical Engineering Application and Theory	20	1
Introduction to Structural Design	15	1
Engineering Materials Chemistry	15	2
Structural Analysis Techniques	15	2
Fluid Mechanics I	20	2
Advanced Mathematics II	15	2
Number of credits of compulsory modules	120	

Level 6

Compulsory modules

Module title	Credits	Semester/ teaching period
Independent Project	40	1 & 2
Structural Engineering Techniques	20	1
Numerical Management Techniques	10	1
Geotechnical Engineering Design and Theory	20	2
Fluid Mechanics II	10	2
Infrastructure Engineering	20	2
Number of credits of compulsory modules		

Assessment Balance and Scheduled Learning and Teaching Activities by Level

The assessment balance and overall workload associated with this course are calculated from core modules and typical option module choices undertaken by students on the course. They have been reviewed and confirmed as representative by the Course Director but applicants should note that the specific option choices students make may influence both assessment and workload balance.

A standard module equates to 200 notional learning hours, which may be comprised of teaching, learning and assessment, any embedded placement activities and independent study. Modules may have more than one component of assessment.

Assessment

Level 4 is assessed by examinations predominantly, with some coursework

Level 5 is assessed by examinations predominantly, with some coursework

Level 6 is assessed by coursework predominantly, with some examinations

Workload

(per 20 credit module)

Overall Workload	Level 4	Level 5	Level 6
Teaching, Learning and Assessment	50-60 hours	50 hours	40-50 hours
Independent Study	140-150 hours	150 hours	140-150 hours
Placement (sandwich option)		44 weeks	