LEEDS BECKETT UNIVERSITY

Course Specification

BSc (Hons) Civil Engineering

Course Code: CIVIL

2026/27

leedsbeckett.ac.uk

BSc (Hons) Civil Engineering (CIVIL)

Applicant Facing Course Specification for 2026/27 Undergraduate Entrants

Confirmed at

General Information

Award	Bachelor of Science with Honours Civil Engineering
Contained Awards	Bachelor of Science 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) • 5 years (part time, 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. Students are responsible for obtaining their own placement, with assistance from the University. The locations will vary, dependant on the opportunity.
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. Likewise, students on an Integrated Masters of 480 credits similarly can only be compensated in *one* 20 credit module within those 480 credits.

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 Highway & Transportation

The Permanent Way Institution

Accreditation/ Recognition Summary

This degree is accredited by the **Joint Board of Moderators (JBM)** comprising 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** as fully satisfying the educational base for an Incorporated Engineer (IEng). Visit the **JBM website** for further information.

'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 aims of the programme are to:

- To provide the knowledge and understanding of the scientific, mathematical and engineering principles and methodologies that underpin Civil Engineering
- To enable students to undertake independent critical analysis, enhancing their intellectual development and developing their ability to produce optimal solutions to complex engineering problems
- To develop a range of graduate skills relevant to a career in the modern civil engineering industry including all forms of digital and multi-media communication, problem-solving, individual motivation and team working.
- To ensure that successful graduates will have the potential to contribute to advances in engineering and be capable of accepting extensive managerial responsibilities
- To establish an appropriate foundation for a lifetime of continuing professional development
- The programme also aims to provide the educational requirements for graduate membership of ICE and engineering council accreditation for IEng status

Course Learning Outcomes

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

1	Demonstrate knowledge and understanding of mathematics, science, and engineering principles across a range of civil engineering subjects, notably structural engineering, geotechnical and

	highway engineering, civil engineering materials, hydraulics, surveying and civil engineering management.
2	Identify design requirements and use analytical techniques and design practice to produce practical solutions relevant to the role of an Incorporated Engineer.
3	Understand the iterative analytical nature of engineering problems in determining cost effective, sustainable and robust solutions utilising contemporary digital technologies, advanced computing techniques, and traditional manual methods.
4	Use contemporary Codes of Practice and be aware of the regulatory framework in which design is practiced. Demonstrate an appreciation of the role of the designer in achieving whole-life performance especially with regard to health and safety and sustainable development.
5	Recognise the importance of leadership, teamwork and communication applicable to the role of an incorporated engineer and demonstrate relevant aspects, utilising appropriate interpersonal skills, whilst working both as a team member and individually.
6	Demonstrate knowledge of the context in which civil engineering projects are delivered and managed through procurement, contract administration, planning and performance. Apply contemporary legislative requirements with regards to health and safety and environmental impact to contextualise entry level knowledge in civil engineering.

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 application of engineering principles to the practical solution of increasingly complex engineering problems. Aspects of the course which are particularly relevant to professional and transferable skills development and employability are:

- 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.

- Hands-on experience in IT, Surveying and laboratory testing. Again, at Level 4, these exercises are basic and tutor led. As the course progresses, students work to less detailed briefs and are expected to develop innovative solutions based on experience.

- The PSRB requires that 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.

Full Time Delivery

Level 4
Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Civil Engineering Management	20	S1
Civil Engineering Mathematics	20	S1
Engineering Mechanics	20	S2
Engineering Materials Science	20	S2
Civil Engineering Project	20	S1 & S2
Surveying A and CAD	20	S1 & S2
Number of credits of compulsory modules	120	

Level 5
Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Civil Engineering Management	20	S1
Geotechnical Engineering	20	S1
Structural Design	20	S1
Engineering Materials Technology	20	S2
Highway Engineering A	20	S2
Number of credits of compulsory modules	100	

Option modules

Module title	Credits	Semester/ teaching period
Intro to Structural Analysis with Project Design	20	S2
Structural Analysis*	20	S2
Number of credits of option modules a student should choose	20	

Level 6
Compulsory modules

Module title	Credits	Semester/ teaching period
Civil Engineering Major Project	40	S1 & S2
Quantitative Methods for Decision Making	20	S1 & S2
Hydraulics and Water Engineering	20	S1 & S2
Number of credits of compulsory modules	80	

Option modules

Module title	Credits	Semester/ teaching period
Civil Engineering Dissertation**	40	S1 & S2
Structural Engineering	20	S1
Highway Engineering	20	S1
Geotechnical Engineering B	20	S2
Infrastructure Asset Management	20	S2
Number of credits of option modules a student should choose	40	

* A prerequisite of performance in Level 4 module Engineering Mechanics is in place on this elective module to ensure reasonable chance of success.

** Note that Civil Engineering Dissertation is an option of high achieving students instead of Civil Engineering Major Project.

Part Time Delivery

Level 4
Compulsory modules

Module title	Credits	Semester/ teaching period
Civil Engineering Management A	20	S1 / Year 1
Civil Engineering Mathematics	20	S1 / Year 1
Site Surveying and CAD	20	S2 / Year 1
Engineering Materials Science	20	S2 / Year 1
Civil Engineering Technology Project	20	S1 / Year 2
Engineering Mechanics	20	S1 / Year 2
Number of credits of compulsory modules	120	

Level 5
Compulsory modules

Module title	Credits	Semester/ teaching period
Civil Engineering Management B	20	S2 / Year 2
Engineering Materials Technology	20	S2 / Year 2
Geotechnical Engineering A	20	S1 / Year 3
Structural Design	20	S1 / Year 3
Highway Engineering A	20	S2 / Year 3
Number of credits of compulsory modules	100	

Option modules

Module title	Credits	Semester/ teaching period
Intro to Structural Analysis with Project Design	20	S2 / Year 3
Structural Analysis*	20	S2 / Year 3
Number of credits of option modules a student should choose	20	

Level 6
Compulsory modules

Module title	Credits	Semester/ teaching period
Hydraulics and Water Engineering	20	S1 & S2 / Year 4
Civil Engineering Major Project	40	S1 & S2 / Year 4
Quantitative Methods for Decision Making	20	S1 & S2 / Year 4
Number of credits of compulsory modules	80	

Option modules

Module title	Credits	Semester/ teaching period
Civil Engineering Dissertation**	40	S1 & S2 / Year 4
Structural Engineering	20	S1 / Year 4
Highway Engineering B	20	S1 / Year 4
Geotechnical Engineering B	20	S2 / Year 4
Infrastructure Asset Management	20	S2 / Year 4
Number of credits of option modules a student should choose	40	

* A prerequisite of performance in Level 4 module Engineering Mechanics is in place on this elective module to ensure reasonable chance of success.

** Note that Civil Engineering Dissertation is an option of high achieving students instead of Civil Engineering Major Project.

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	312 hours	256 hours	292 hours
Independent Study	888 hours	944 hours	908 hours
Placement (optional)		44 weeks	