LEEDS BECKETT UNIVERSITY

Course Specification

MSc Civil Engineering

Course Code: MSCIV

2026/27

leedsbeckett.ac.uk

MSc Civil Engineering (MSCIV)

Applicant Facing Course Specification for 2026/27 Postgraduate Entrants

Confirmed at

General Information

Award	Master of Science Civil Engineering
Contained Awards	Postgraduate Diploma Civil Engineering Postgraduate Certificate Civil Engineering
Awarding Body	Leeds Beckett University
Level of Qualification and Credits	Level 7 of the Framework for Higher Education Qualifications, with 180 credit points at Level 7 of the Higher Education Credit Framework for England.
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: • 12 months (full time, campus based, plus optional 30 week placement option) • 24 months (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.
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)

The technical content of this course has been designed to satisfy accreditation standards set by the Joint Board of Moderators (JBM) as meeting the requirements for further learning for a Chartered Engineer (CEng) for candidates who have already acquired a partial CEng accredited undergraduate first degree. To achieve an award, a student must at Level 7:

- Students must pursue a course of study of 180 credits, and have submitted in all components of every module
- Students must pass five of the six taught modules (20 credits each) AND the dissertation (60 credits), totalling a minimum 160 credits
- The minimum overall pass mark for a module is 50%, with no component less than 40%
- For the 'trailing' module, you must achieve an overall pass mark of 40%, with no component less than 30%
- The topic of the dissertation MUST be technical

As per the University's standard Academic Principles and Regulations, we are also allowed to apply the following levels of awards to students that have achieved the standard required for that award:

- An award of a 'distinction' will be made to those students who have demonstrated excellent performance against the attainment of an average of 70%, or more, in assessments contributing to the final award
- An award of 'merit' may be made to those students who have demonstrated excellent performance against the attainment of an average of 60%, or more, in assessments contributing to the final award

If the student does not achieve the requirements for award, the University's standard Academic Principles and Regulations will apply to this award, an ordinary contained award will be given.

To attain a contained award of a PGDip; a student must at Level 7:

- Pursue a course of study of 120 credits and have submitted in all components of every module
- Pass 100 credits with a pass mark of overall average 50% in each module taken
- For the 'trailing' module, you must achieve an overall pass mark of 40%
- Achieved an overall average of 50% or more across all modules studied at this level

To attain a contained award of a PGCert; a student must at Level 7:

- Pursue a course of study of 60 credits and have submitted in all components of every module
- Pass 60 credits with a pass mark of overall average 50% in each module taken

Professional Accreditation or Recognition Associated with the Course

This degree is accredited as a Type I MSc by the Joint Board of Moderators (JBM) comprising of the Institution of Civil Engineers, Institution of Structural Engineers, Institute of Highway Engineers, the Chartered Institution of Highways and Transportation and the Permanent Way Institution on behalf of the Engineering Council as meeting the academic requirement for Further Learning for registration as a Chartered Engineer (CEng). To hold accredited qualifications for CEng registration, candidates must also hold a Bachelor (Hons) degree that has been accredited as partially meeting the academic requirement for registration as a Chartered Engineer (CEng).

See www.jbm.org.uk for further information.

**It should be noted that candidates completing the MSc who hold an underpinning accredited Bachelor degree accredited for IEng only or a non-accredited bachelor degree will need to apply for an academic assessment to determine whether they will meet the educational base for CEng registration.*

'In Year' Work Placement Information

Summary

The course contains a placement year.

Minimum 30 weeks, undertaken at the end of semester 2 after the completion of taught modules. On returning from placement students will be expected to complete their Dissertation. This is only available for FT students starting in September.

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 Placements team have developed strong links with companies, many of whom repeatedly recruit our students into excellent placement roles. Our team is 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:

- Provide an effective, coherent, intellectually challenging and technical focused post graduate education in civil engineering.
- Achieve high-level competence across a range of specialist technical disciplines applying existing and emerging knowledge and technology.
- Develop research capability and cognitive skills enabling students to analyse complex problems in their professional context.
- Develop leadership skills applicable to meet changing technical and commercial needs in civil engineering.
- Provide the basis for personal commitment to professional development recognising the need to maintain professional standards and obligations to society.

Course Learning Outcomes

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

1	Demonstrate the ability to use a range of general and specialist knowledge for complex engineering analysis.
2	Develop and critically evaluate solutions to complex engineering requirements.
3	Utilise a range of appropriate traditional and contemporary methods and tools to optimise solutions for engineering problems in the context of unpredictability, uncertainty and risk.
4	Conduct research into a specialist area of civil engineering via: clearly establishing the research context; utilising an appropriate research methodology; and, formulating a creative solution.

5	Take responsibility for technical proficiency through the development of solutions with due regard to whole life performance especially with regards to health and safety, sustainability and cost.
6	Demonstrate commitment to professional standards and the need for both initial and on-going professional development utilising reflective learning.

Teaching and Learning Activities

Summary

The curriculum of the MSc Civil Engineering is designed to provide a focused education enabling successful students to develop careers as leaders in design, construction, and management operations within civil engineering. Emphasis is placed on the application of engineering principles under uncertain conditions. 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 use Eurocode design standards and the Government endorsed NEC~~3~~ suite of Contracts.
- Professional development.
- Independent laboratory or fieldwork based data collection.
- Design applications and case studies relevant to current engineering practice.
- Specialist study covering mainly technical subjects with some management-based areas.
- In all cases, students' health, safety and well-being is assured under the University's standard procedures.

All modules on the course are designed for formal lecture based delivery, accompanied by tutorial and laboratory practical sessions to consolidate student learning and enhance the student experience. Case studies will be used to contextualise learning into professional practice.

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 7
Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Civil Engineering Dissertation	60	S1, S2 & S3
Level 7 Continuing Professional Development	0	S1, S2 & S3
Water Engineering and Fluid Mechanics	20	S1

Geotechnical Analysis and Design	20	S1
Materials Technology	20	S1
Advanced Structural Engineering & FEM	40	S2
Transportation Studies	20	S2
Number of credits of compulsory modules	180	

**Level 7 Continuing Professional Development is a non-credit bearing pass/fail module*

Part Time Delivery

Level 7
Compulsory modules

Module title	**Credits**	**Semester/ teaching period**
Geotechnical Analysis and Design	20	S1 / Year 1
Materials Technology	20	S1 / Year 1
Advanced Structural Engineering & FEM	40	S2 / Year 1
Civil Engineering Dissertation	40	S1, S2 & S3 / Year 2
Level 7 Continuing Professional Development	0	S1, S2 & S3 / Year 2
Water Engineering and Fluid Mechanics	20	S1 / Year 2
Transportation Studies	20	S2 / Year 2
Number of credits of compulsory modules	180	

**Level 7 Continuing Professional Development is a non-credit bearing pass/fail module*

Assessment Balance and Scheduled Learning and Teaching Activities

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 7 is assessed by a mix of coursework and examinations. There is a 60 credit point Civil Engineering Dissertation module which will require the production of a dissertation with a viva-voce or formal presentation.

Workload

Overall Workload	
Teaching, Learning and Assessment	398 hours
Independent Study	1402 hours

Overall Workload	
Placement	30 weeks