LEEDS BECKETT UNIVERSITY

Course information for applicants

This information applies to the course as it will be delivered to students starting the course in 2027/28.
Information provided here was confirmed on 01/09/2026

General information

Programme code
MCVEN

Target award
If you complete this course successfully you will be eligible for the award of:
MEng Civil Engineering

Delivery mode
✓ On campus
☐ Distance learning

Where you will study
The majority of teaching will be at City campus but on occasion may be at Headingley campus.

Awarding body
Leeds Beckett University

Regulator
Office for Students

Level of qualification
Level 7 of the Framework for Higher Education Qualifications

Course duration
If you are made an offer of a place on the course, your offer letter will include the start date.

This course can be studied:
4 years, full-time
5 years, full-time with sandwich year
5 years, full-time levels 4-6, part-time level 7
6 years, full-time levels 4-6, with sandwich year, part-time level 7

Part-time study

This course can be studied part-time.

If you study the course part-time, it will usually take twice as long to complete compared with the equivalent full-time course. The modules may be delivered in a different sequence than on the full-time course, but you will study the same modules at each academic level. With the agreement of the course team, you may be able to increase your pace of study to shorten the overall course duration.

As a part-time student, you will not usually have the option of a work placement.

Work placement

This course includes an optional non-credit bearing placement

Placement Delivery

The placement will be a minimum length of 44 weeks but can be longer by negotiation.

Location

Placement location 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.

Entry requirements

Admissions criteria are available on the online prospectus entry for this course.

If you have previous relevant qualifications or experience, you could be exempt from certain parts of your course. Recognition of prior learning (RPL) allows you to start your course at a point appropriate to the learning and skills that you may have developed in a professional, vocational or community setting.

Find out more here: https://www.leedsbeckett.ac.uk/student-information/course-information/recognition-of-prior-learning
If you have questions about entry requirements and admissions, contact AdmissionsEnquiries@leedsbeckett.ac.uk

Course fees

Course fees and a breakdown of any additional costs is included on the online prospectus entry for this course.

If you have questions about fees for this course, contact Fees@leedsbeckett.ac.uk

Timetable

You will receive your full timetable for the year during induction week.

What you will study

Course 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 MEng 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.

Teaching and learning activities

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 NEC4 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 and Professionalism and Ethics) permeate the curriculum both horizontally and vertically and this is embedded in the modular content.

By the completion of level 7 specifically the approach to learning and teaching for students will aim to facilitate:

- Students' transformation into sophisticated, independent, critical thinkers.

- Students' ability and confidence to apply their knowledge with originality within advanced academic and civil engineering-related contexts.

- The opportunity for students to conduct research and also gain an understanding of how to integrate and apply the research of others within their own work within a professional context.

- The impression of value in a student's career outlook for the continuation of development in a professional and also, potentially, an academic environment.

Course structure

This information is correct for students progressing through the course within standard timescales. If you have to repeat study or take time out during your course, you may be taught alternative modules which meet the overall course learning outcomes.

The option modules listed may vary. Those listed here are likely to be offered in a typical year.

Full-Time Delivery

Level 4

Compulsory modules

Module title	Credits	Semester/teaching period
Civil Engineering Management A	20	S1 / Year 1
Advanced Mathematics	20	S1 / Year 1
Surveying A and CAD	20	S1 & 2 / Year 1
Engineering Mechanics	20	S2 / Year 1
Applied Mechanics	20	S2 / Year 1
Engineering Materials Science	20	S2 / Year 1
Total number of credits of compulsory modules:	120	

Level 5

Compulsory modules

Module title	Credits	Semester/teaching period
Civil Engineering Management B	20	S1 / Year 2
Geotechnical Engineering Application and Theory	20	S1 / Year 2
Introduction to Structural Design	15	S1 / Year 2
Engineering Materials Chemistry	15	S2 / Year 2
Structural Analysis Techniques	15	S2 / Year 2
Fluid Mechanics	20	S2 / Year 2
Advanced Mathematics	15	S2 / Year 2
Total number of credits of compulsory modules:	120	

Level 6

Compulsory modules

Module title	Credits	Semester/teaching period
Independent Project	40	S1 & 2 / Year 3
Structural Engineering Techniques	20	S1 / Year 3
Numerical Management Techniques	10	S1 / Year 3
Geotechnical Engineering Design and Theory	20	S2 / Year 3
Fluid Mechanics II	10	S2 / Year 3
Infrastructure Engineering	20	S2 / Year 3
Total number of credits of compulsory modules:	120	

Level 7

Compulsory modules

Module title	Credits	Semester/teaching period
Integrated Project	30	S1 & 2 / Year 4
Research Paper	10	S1 / Year 4
Advanced Structural Engineering and Finite Element Method	40	S2 / Year 4
Continuing Professional Development	0	S1 & 2 / Year 4
Total number of credits of compulsory modules:	80	

Option modules

Module title	Credits	Semester/teaching period
Geotechnical Analysis and Design	20	S1 / Year 4
Water Engineering	20	S1 / Year 4
Transportation Studies	20	S2 / Year 4
Humanitarian Engineering	20	S2 / Year 4
Total number of credits of elective modules a student must enrol on:	40	

Alternative Level 7 – Part-time Study

Level 7

Compulsory modules

Module title	Credits	Semester/teaching period
Advanced Structural Engineering and Finite Element Method	40	S2 / Year 4/5
Research Paper	10	S1 / Year 5/6
Integrated Project	30	S1 & 2 / Year 5/6
Continuing Professional Development	0	S1 & 2 / Year 5/6
Total number of credits of compulsory modules:	80	

Option modules

Module title	Credits	Semester/teaching period
Geotechnical Analysis and Design	20	S1 / Year 4/5
Water Engineering	20	S1 / Year 4/5
Transportation Studies	20	S2 / Year 5/6
Humanitarian Engineering	20	S2 / Year 5/6
Total number of credits of elective modules a student must enrol on:	40	

Assessment and feedback

The balance of assessment may change depending on which option modules you choose.

Level 4

Level 4 is assessed by examinations predominantly, with some coursework

Level 5

Level 5 is assessed by examinations predominantly, with some coursework

Level 6

Level 6 is assessed by coursework predominantly, with some examinations

Level 7

Level 7 is assessed by coursework predominantly, with some examinations

Workload

You can expect to spend a total of 100 hours learning per 10 credits.

Typically, a student on this course can expect to divide their time like this:

Overall workload	Level 4	Level 5	Placement year (if chosen)	Level 6	Level 7
Teaching, learning and assessment	282 hours	281 hours		294 hours	260 hours
Independent study	918 hours	919 hours		906 hours	940 hours
Placement study			44 weeks		