LEEDS BECKETT UNIVERSITY

Course Specification

MSc Building Services Engineering

Course Code: MSBSE

2026/27

leedsbeckett.ac.uk

MSc Building Services Engineering (MSBSE)

Applicant Facing Course Specification for 2026/27 Postgraduate Entrants

Confirmed at

General Information

Award	Master of Science Building Services Engineering
Contained Awards	Postgraduate Diploma Building Services Engineering Postgraduate Certificate Building Services 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: • 24 months (part time, campus based) • 24 months (part time, distance learning)
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	For on-campus students, the majority of teaching will be at Headingley campus but on occasion may be at City campus. Distance Learning students will have teaching online
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)

There are a number of PSRB exemptions which apply to the MSc Building Services Engineering award which are outside of the Leeds Beckett University's standard Academic Principles and Regulations. These exceptions have already been approved by the University and are required if the accreditation status of the home-delivery version of the course is to be maintained.

In accordance with the University's standard Academic Principles and Regulations, students must pass 160 credit points of Level 7 learning in order to be eligible for their target award. However, the PSRB exemptions require that:

- The overall award pass mark is set at 50%
- Individual modules may have an aggregate score of 50% and standard university policy on assessment will apply

Professional Accreditation or Recognition Associated with the Course

Professional Body

Chartered Institution of Building Services Engineers (CIBSE)

Accreditation/ Recognition Summary

On achieving the degree students are eligible to apply for Membership of CIBSE and Chartered Engineer status with the UK engineering council. This involves application and professional review based upon work-based experience and academic standing.

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	Mike White
Your Course Administrator	Vanessa Melara – V.Melara@leedsbeckett.ac.uk

Course Overview

Aims

The aims of the programme are to:

- To focus upon systems design and implementation
- Extend knowledge of sustainable technologies and resolution of emerging issues in the built environment
- Develop project management, leadership and team skills
- Provide the opportunity for students to complete a range of optional modules which will facilitate the development of their knowledge and problem-solving skills suited to their working environment and general interest in the building services field
- Develop the student's research methods and applications

Course Learning Outcomes

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

1	Demonstrate appropriate skills in order to progress their academic and subsequent professional careers as creative and innovative engineers and managers.
2	Analyse problems and make contribution to advances in engineering, technological and social issues associated with the building services industry.
3	Critically analyse and project management skills including team working and leadership skills in application to Building Services problems.
4	Analyse issues and concepts in respect to the Building Services technologies and related sciences in the resolution of Building Services problems.
5	Complete studies in a range of optional modules which will facilitate the development of their knowledge and problem solution skills, which are suited to their working environment/
6	Develop the student's research methods and applications

	and use appropriate communication skills so that the graduates may convey their ideas effectively and imaginatively in a clear and concise manner to both the related professions and to persons outside the industry.

Teaching and Learning Activities

Summary

The curriculum of the MSc Building Services Engineering has been designed to provide a focused education enabling successful students to develop careers as leaders in design, construction, and management operations within Building Services 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 will be expected to use Revit, IES and other industry related applications
- 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.

This course will feature a mix of blended learning, both online and in person. Lectures and seminars will be online and recorded.

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**
Sustainable Systems Design	20	S1
Project Management	20	S1
Work Based Learning – Developing Engineering Portfolios and Study Methods	20	S1 & S2

Sustainable Buildings	20	S2
BIM & MEP	20	S2
Masters Final Project/Dissertation and Research Skills	60	S3 & S4
BEM & Intelligent Buildings	20	S3
Number of credits of compulsory modules	180	

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 through a mix of coursework and presentations. There is a 60-credit point Masters Project/Dissertation module which includes Research Skills and will require the production of a 3000 word Research proposal and a 15000 word dissertation.

Workload

Overall Workload	
Teaching, Learning and Assessment	360 hours
Independent Study	1440 hours