



LEEDS  
BECKETT  
UNIVERSITY

# Course Specification

## MSc Building Services Engineering

Course Code: MSBSE

2024/25

# MSc Building Services Engineering (MSBSE)

## Applicant Facing Course Specification for 2024/25 Postgraduate Entrants

Confirmed at 11/2023

### General Information

<b>Award</b>	Master of Science Building Services Engineering
<b>Contained Awards</b>	Postgraduate Diploma Building Services Engineering Postgraduate Certificate Building Services Engineering
<b>Awarding Body</b>	Leeds Beckett University
<b>Level of Qualification and Credits</b>	Level 7 of the Framework for Higher Education Qualifications, with 180 credit points at Level 7 of the Higher Education Credit Framework for England.
<b>Course Lengths and Standard Timescales</b>	Start dates will be notified to students via their offer letter. The length and mode of delivery of the course is confirmed below: <ul style="list-style-type: none"><li>• 2 years (part time, campus based)</li><li>• 2 years (part time, distance learning)</li></ul>
<b>Part Time Study</b>	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.
<b>Location(s) of Delivery</b>	For on-campus students, the majority of teaching will be at City campus but on occasion may be at Headingley campus.  Distance Learning students will have teaching online
<b>Entry Requirements</b>	Admissions criteria are confirmed in your offer letter. Details of how the University recognises prior learning and supports credit transfer are located here: <a href="https://www.leedsbeckett.ac.uk/student-information/course-information/recognition-of-prior-learning/">https://www.leedsbeckett.ac.uk/student-information/course-information/recognition-of-prior-learning/</a>

Admissions enquiries may be directed to:  
[AdmissionsEnquiries@leedsbeckett.ac.uk](mailto:AdmissionsEnquiries@leedsbeckett.ac.uk).

## Course Fees

Course fees and any additional course costs are confirmed in your offer letter. Fees enquiries may be directed to  
[Fees@leedsbeckett.ac.uk](mailto:Fees@leedsbeckett.ac.uk).

## 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.

## Policies, Standards and Regulations ([www.leedsbeckett.ac.uk/academicregulations](http://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

## Key Contacts

### Your Course Director

Mike White

### Your Academic Advisor

Each Student will be allocated an Academic Advisor once they commence their studies at the University. The Academic Advisor will be a member of the Engineering Academic Staff.

### Your Course Administrator

Lewis Ransom - [L.Ransom@leedsbeckett.ac.uk](mailto:L.Ransom@leedsbeckett.ac.uk)

## Professional Accreditation or Recognition Associated with the Course

### Professional Body

Chartered Institution of Building Services Engineers (CIBSE)

Chartered Institution of Water and Energy Management (CIWEM)

### 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.

### 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.

Level 7			
Semester 1	Core (Y/N)	Semester 2	Core (Y/N)
Sustainable Systems Design (20 credits)	Y	Sustainable Buildings (20 credits)	Y

Level 7			
Project Management (20 credits)	Y	BIM & MEP (20 credits)	Y
Work Based Learning – Developing Engineering Portfolios and Study Methods (20 credits)			Y
Semester 3	Core (Y/N)	Semester 4	Core (Y/N)
Masters Final Project/Dissertation and Research Skills (60 credits)			Y
BEM & Intelligent Buildings (20 credits)	Y		

## 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

## Learning Support

If you have a question or a problem relating to your course, your Course Administrator is there to help you. Course Administrators work closely with academic staff and can make referrals to teaching staff or to specialist professional services as appropriate. They can give you a confirmation of attendance letter, and a transcript. You may also like to contact your Course Rep or the Students' Union Advice team for additional support with course-related questions.

## Student Services

If you have any questions about life at University, call into our Student Services Centre at either campus or contact Student Advice directly. This team, consisting of trained officers and advisers are available to support you throughout your time here. They will make sure you have access to and are aware of the support, specialist services, and opportunities our University provides. They also work on a wide range of projects throughout the year all designed to enhance your student experience and ensure you make the most of your time with us. Student Advice are located in the Student Services Centre in the Leslie Silver Building at City Campus and on the ground floor of the Priestley Building at Headingley Campus. The team can also be contacted via email at [studentadvice@leedsbeckett.ac.uk](mailto:studentadvice@leedsbeckett.ac.uk), telephone on 0113 812 3000, or by accessing our online chat link, available on the student homepage.

## **Support and opportunities**

Within MyBeckett you will see two tabs (Support and Opportunities) where you can find online information and resources for yourselves. The Support tab gives you access to details of services available to give you academic and personal support. These include Library Services, the Students' Union, Money advice, Disability advice and support, Wellbeing, International Student Services and Accommodation. There is also an A-Z of Support Services, and access to online appointments/registration.

The Opportunities tab is the place to explore the options you have for jobs, work placements, volunteering, and a wide range of other opportunities. For example, you can find out here how to get help with your CV, prepare for an interview, get a part-time job or voluntary role, take part in an international project, or join societies closer to home.