



**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 07/09/2026

General information

Programme code

BEBSE

Target award

If you complete this course successfully you will be eligible for the award of:
BEng (Hons) Building Services Engineering

Delivery mode

- ☒ On campus
☐ Distance learning

Where you will study

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

Professional accreditation or recognition

Professional body

Chartered Institution of Building Services Engineers (CIBSE)

Summary of the accreditation or recognition

On successful completion of the course and appropriate industrial experience students will be eligible to make application for Associate Member of CIBSE and incorporated Engineer Status with the Engineering Council. It should also be noted that the programme is also accredited for partial Chartered Engineer (CEng) which if suitable accredited further study is undertaken at Masters level (MSc, MEng) and significant work experience is obtained via employment would allow application for full membership with CIBSE i.e. MCIBSE and Chartered Engineer Status (CEng) with the Engineering Council UK.

Awarding body

Leeds Beckett University

Regulator

Office for Students

Level of qualification

Level 6 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:

3 years, full-time

4 years, full-time with sandwich year

4 years, part-time

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 placement.

Summary

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.

Length

40 weeks, undertaken between year 2 (level 5) and year 3 (level 6)

Location

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 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 aims of the course are to:

- Provide the knowledge and understanding of the scientific, mathematical and engineering principles and methodologies that underpin Building Services 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
- Develop a range of graduate skills relevant to a career in the modern building services 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 CIBSE and engineering council accreditation for IEng status

Teaching and learning activities

Formal lectures, tutorials, design project workshops and building case studies will be embedded in the delivery to help to reinforce the learning process. The feedback and progress reviews, extracurricular seminars, field trips and the involvement of industry experts as guest speakers will be used to enrich the learning experience and students' knowledge of current issues within the building services engineering 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
Building Services Engineering Fundamentals	20	S1 / Year 1
Maths for Electronics and Electrical Engineering	20	S1 / Year 1
Electrical and Electronics Principles	20	S1 / Year 1
Building Services Design Principles	20	S2 / Year 1
Management Principles and Applications	20	S2 / Year 1
Mechanical Services	20	S2 / Year 1
Total number of credits of compulsory modules:	120	

Level 5**Compulsory modules**

Module title	Credits	Semester/teaching period
Engineering Mathematics	20	S1 / Year 2
Electrical Services and Lighting Systems	20	S1 / Year 2
Airconditioning and Refrigeration Systems	20	S1 / Year 2
BMS and Control Systems	20	S2 / Year 2
Digital Construction Technology and Applications	20	S2 / Year 2
Group Design Project	20	S2 / Year 2
Total number of credits of compulsory modules:	120	

Level 6**Compulsory modules**

Module title	Credits	Semester/teaching period
Low Carbon Systems Design	20	S1 / Year 3
Facilities Maintenance Management	20	S1 / Year 3
Intelligent Building Technologies	20	S2 / Year 3
Building Physics (Modelling and Analysis)	20	S2 / Year 3
Dissertation	40	S1 & 2 / Year 3
Total number of credits of compulsory modules:	120	

Part-time Delivery**Level 4****Compulsory modules**

Module title	Credits	Semester/teaching period
Building Services Engineering Fundamentals	20	S1 / Year 1
Maths for Electronics and Electrical Engineering	20	S1 & 2 / Year 1
Electrical and Electronics Principles	20	S1 & 2 / Year 1
Mechanical Services	20	S2 / Year 1
Management Principles and Applications	20	S1 / Year 2
Building Services Design Principles	20	S1 / Year 2

Total number of credits of compulsory modules:	120	
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Level 5

Compulsory modules

Module title	Credits	Semester/teaching period
Engineering Mathematics	20	S2 / Year 2
Electrical Services and Lighting Systems	20	S2 / Year 2
BMS and Control Systems	20	S1 / Year 3
Airconditioning and Refrigeration Systems	20	S1 / Year 3
Group Design Project	20	S2 / Year 3
Digital Construction Technology and Applications	20	S2 / Year 3
Total number of credits of compulsory modules:	120	

Level 6

Compulsory modules

Module title	Credits	Semester/teaching period
Low Carbon Systems Design	20	S1 / Year 4
Building Physics (Modelling and Analysis)	20	S1 / Year 4
Intelligent Building Technologies	20	S2 / Year 4
Facilities Maintenance Management	20	S2 / Year 4
Dissertation	40	S1 & 2 / Year 5
Total number of credits of compulsory modules:	120	

Assessment and feedback

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

Level 4

Level 4 is assessed by a mix of online time-controlled tests and coursework

Level 5

Level 5 is assessed by examinations predominantly, with some coursework and practical assessments.

Level 6

Level 6 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	Level 6
Teaching, learning and assessment	228 hours	228 hours	184 hours
Independent study	972 hours	972 hours	1016 hours
Placement study		40 weeks	