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
BENEE

Target award
If you complete this course successfully you will be eligible for the award of:
BEng (Hons) Electronic and Electrical 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
Institution of Engineering and Technology (IET)

Summary of the accreditation or recognition
This course is accredited by the Institution of Engineering and Technology (IET). Students are eligible to apply for IET sponsored scholarships and bursaries, including the Future Talent award whilst studying; after graduation it improves employability by showing that the students have developed the appropriate skills and knowledge for an engineering career and professional registration.

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
6 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 non-credit bearing placement

Placement Delivery

The placement will be a minimum length of 32 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 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 aims of the course are to:

- To facilitate the provision of a quality learning experience for each student that fosters engagement with their programme of study and promotes independent study and life-long learning.
- To maintain a high quality, comprehensive and coherent electronic and electrical focussed curriculum which develops underpinning principles, management, entrepreneurship, digital literacy and offers a global appeal; informed by research, scholarly activity and practice to enhance each participant's career prospects.
- To develop professionals with a sound understanding of both electronic and electrical engineering in a holistic approach; and understanding the key features that link the two subject areas.
- To encourage the creative and appropriate application of technology to promote innovation and enterprise through the research project whilst enhancing students' employability skills.
- To promote ethical, security, safety, social, legal and environmental awareness and professionalism in business development; supported by a strong appreciation of industry focussed skills and practice.

Teaching and learning activities

The delivery style will encourage independent and collaborative learning through team-based activities. This course enables many practical skills to be developed and students are encouraged to develop their personal interest through individual research. A number of delivery methods are used from guest lectures, group activities, online support and workshop activities.

Students are made aware of the goal of independence in learning and are given explicit guidance on those aspects of their learning for which they are responsible. Key opportunities for students in this regard include the *Engineering Skills* modules and guidance on the studying of individual modules.

Scheduled sessions will include the use of lectures, seminars and tutorials, and advantage will be taken of both technology and supportive activities to ensure that effective learning takes place. Some of those supportive activities strongly encourage the student to attend sessions that are not in themselves credit bearing, but which are designed to reinforce the concepts and skills introduced in the credit bearing modules.

These activities will include the use of simulations, role play, case studies, projects, practical work, work-based learning, workshops, peer tutoring, self-managed teams and learner managed learning.

The final research project has been designed around practice-centred product development, enabling students to focus their energies in developing future thinking and practical solutions to their sphere of work or career aspirations.

This course will feature a mix of blended learning, both online and in-person. Most lectures and all lab sessions will be live, with some online learning for specific modules.

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
Computers in Engineering	20	S1 / Year 1
Electrical and Electronics Principles 1	20	S1 / Year 1
Engineering Design Project 1	20	S2 / Year 1
Engineering Systems and Data Acquisition	20	S2 / Year 1
Digital Electronics	20	S1 & 2 / Year 1
Maths for Electronic and Electrical Engineering	20	S1 & 2 / Year 1
Engineering Skills 1	0	S1 & 2 / Year 1
Total number of credits of compulsory modules:	120	

Level 5

Compulsory modules

Module title	Credits	Semester/teaching period
Analogue Systems and Circuits	20	S1 / Year 1
Control Systems	20	S1 / Year 1
Communication Systems	20	S1 / Year 1
Embedded Systems	20	S2 / Year 1
Group Design Project	20	S2 / Year 1
Electrical and Electronic Principles	20	S2 / Year 1
Total number of credits of compulsory modules:	120	

Level 6

Compulsory modules

Module title	Credits	Semester/teaching period
Digital Signal Processing	20	S1 / Year 1
Engineering Design	20	S1 / Year 1
Power Electronics	20	S2 / Year 1
Production Project	40	S2 / Year 1
Total number of credits of compulsory modules:	100	

Option modules

Module title	Credits	Semester/teaching period
Advanced Manufacturing Technology	20	S1 / Year 1
Engineering Control	20	S1 / Year 1
Total number of credits of elective modules a student must enrol on:	20	

Part-time Delivery

Level 4

Compulsory modules

Module title	Credits	Semester/teaching period
Computers in Engineering	20	S1 / Year 1
Electrical and Electronics Principles 1	20	S1 / Year 1
Engineering Design Project 1	20	S2 / Year 1
Engineering Systems and Data Acquisition	20	S2 / Year 1
Digital Electronics	20	S1 & 2 / Year 2
Maths for Electronic and Electrical Engineering	20	S1 & 2 / Year 2
Engineering Skills 1	0	Year 1 & Year 2
Total number of credits of compulsory modules:	120	

Level 5

Compulsory modules

Module title	Credits	Semester/teaching period
Analogue Systems and Circuits	20	S1 / Year 3
Control Systems	20	S1 / Year 3
Embedded Systems	20	S2 / Year 3
Group Design Project	20	S2 / Year 3
Communication Systems	20	S1 / Year 4
Electronic and Electrical Principles	20	S2 / Year 4
Total number of credits of compulsory modules:	120	

Level 6

Compulsory modules

Module title	Credits	Semester/teaching period
Digital Signals Processing	20	S1 / Year 5
Power Electronics	20	S2 / Year 5
Engineering Design	20	S1 / Year 6
Production Project	40	S2 / Year 6
Total number of credits of compulsory modules:	100	

Option modules

Module title	Credits	Semester/teaching period
Advanced Manufacturing Technology	20	S1 / Year 5
Engineering Control	20	S1 / Year 5
Total number of credits of elective modules a student must enrol on:	20	

Assessment and feedback

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

Level 4

Level 4 is assessed by a broadly even mix of coursework and examinations, with some practical assessments.

Level 5

Level 5 is assessed by a broadly even mix of coursework and examinations, with some practical assessments.

Level 6

Level 6 is assessed by a broadly even mix of coursework and examinations, with some practical assessments.

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**
Teaching, learning and assessment	228 hours	204 hours		177 hours
Independent study	972 hours	996 hours		1023 hours
Placement study			32 weeks	