



**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 12/08/2026

General information

Programme code

BIOMS

Target award

If you complete this course successfully you will be eligible for the award of:
BSc (Hons) Biomedical Science

Pathways

BSc (Hons) Biomedical Science (Medical Biochemistry Pathway)
BSc (Hons) Biomedical Science (Medical Microbiology Pathway)
BSc (Hons) Biomedical Science (Molecular Biotechnology Pathway)
BSc (Hons) Biomedical Science (Pharmacological Sciences Pathway)
BSc (Hons) Applied Biomedical Science

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.

Professional accreditation or recognition

Professional bodies

The Institute of Biomedical Science (IBMS)
The Royal Society of Biology (RSB)

Summary of the accreditation or recognition

IBMS BSc accreditation ensures that a degree course covers the specified subjects at the required level to meet the Health and Care Profession Council (HCPC) standards of proficiency for biomedical scientists and that students receive a wide-ranging, research informed scientific education and develop practical skills and experience that employers value.

Accreditation by the Royal Society of Biology recognises and supports the advancement of skills and education in the biosciences, throughout the UK and internationally. Graduates from accredited degree programmes are equipped

with well-rounded knowledge and skill sets, making them highly employable both within and beyond their chosen field.

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 a placement year (only available for BSCh – Applied Biomedical Science route)

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 placement module(s).

Summary: Students who are successful in their application to our applied biomedical science route will undertake a 10 month placement within an NHS lab. You'll gain valuable work experience and training during your placement which will enable you to complete an IBMS registration portfolio while you study. When completed and verified, your portfolio will enable you to apply for entry onto the HCPC register as a Biomedical Scientist after graduating. You'll be able to do this without the need for further training. Please note, placements may be limited so will be subject to availability.

Length: Students are given the opportunity to apply to join the applied route after their second year of study. The applied route requires students to undertake a 10 month placement withing an NHS lab.

Location: Students will apply for a specific placement in a local NHS lab. Further information on the allocation process is provided by the module leader prior to option choices being made.

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 provide a sound higher education in biomedical sciences as applied to human health and disease.
- To provide a progressive programme of study that enables students to achieve a scientific approach within all of the disciplines that inform an understanding of humans health and disease.
- To provide a supportive learning environment that encourages students to adopt the scientific process in order to formulate questions concerning health care Sciences and to put forward and test the applicability of innovative solutions.
- To enable students to become lifelong learners through reflective and evaluative skills, allowing them to adapt and respond to change.
- To enable students to communicate effectively.
- To enable students to develop a critical appreciation of existing knowledge bases and to enable them to add to that knowledge by formulating and implementing effective research strategies to foster a responsible and thoughtful approach and an awareness of the ethical issues related to their studies.
- To enable students to graduate with a degree acceptable for the education requirements for registration as a biomedical scientist.

Teaching and learning activities

Teaching is in person and lectures and tutorials are on campus, although lectures will also be recorded so that students can refer back to this material.

The programme aims to provide a progressive and cohesive route of applied learning, enabling students to understand the relationship between biology and medical science and to apply this knowledge.

We aim to develop student's ability to critically evaluate and participate in multi-disciplinary work and to develop to

a high level the professional skills and competencies essential for graduates in this field. The course includes a large amount of laboratory based practicals and projects, which develop technical and scientific skills as well as problem solving, analytical and other transferable skills.

In addition to subject specific knowledge and skills, graduates will have developed strong communication and IT skills, allowing them to function effectively and efficiently within the varied and demanding places of work.

The programme of academic study will develop reflective learners able to take responsibility and be accountable for the process of their learning and its practical application. This will lay the foundation for career-long professional development and lifelong learning to support best professional practice and the maintenance of professional and personal standards and aspirations.

A variety of learning and teaching strategies are used enabling students from a diverse range of backgrounds to participate and achieve effectively. Methods of delivery differ from formal lectures to tutorials and workshops, laboratory practicals, online activities both as part of a classroom activity or independently ensure that all students can adopt an approach which is right for them, with guidance from their academic advisor.

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.

Level 4 – All Routes

Compulsory modules

Module title	Credits	Semester/teaching period
Practical and Study Skills	20	Semester 1
Cell Biology, Haematology and Immunology	20	Semester 1
Physiology and Pharmacology	20	Semester 1
Genetics and Biotechnology	20	Semester 2
Biochemistry	20	Semester 2
Microbial World	20	Semester 2
Total number of credits of compulsory modules:	120	

Level 5

Compulsory modules

Level 5 BScH Biomedical Science

Module title	Credits	Semester/teaching period
Professional Scientific Practice	20	Semester 1
Haematology and Transfusion Science	20	Semester 1
Biology of Common Diseases	20	Semester 1
Clinical Genetics and Clinical Immunology	20	Semester 2
Clinical Microbiology	20	Semester 2
Research Methods in Biosciences	20	Semester 2
Total number of credits of compulsory modules:	120	

Level 5 BScH Biomedical Science (Medical Biochemistry Pathway)

Module title	Credits	Semester/teaching period
Professional Scientific Practice	20	Semester 1
Haematology and Transfusion Science	20	Semester 1
Metabolic Biochemistry	20	Semester 1
Clinical Genetics and Clinical Immunology	20	Semester 2
Clinical Microbiology	20	Semester 2
Research Methods in Biosciences	20	Semester 2
Total number of credits of compulsory modules:	120	

Level 5 BSCh Biomedical Science (Medical Microbiology Pathway)

Module title	Credits	Semester/teaching period
Professional Scientific Practice	20	Semester 1
Haematology and Transfusion Science	20	Semester 1
Medical and Environmental Microbiology	20	Semester 1
Clinical Genetics and Clinical Immunology	20	Semester 2
Clinical Microbiology	20	Semester 2
Research Methods in Biosciences	20	Semester 2
Total number of credits of compulsory modules:	120	

Level 5 BSCh Biomedical Science (Molecular Biotechnology Pathway)

Module title	Credits	Semester/teaching period
Professional Scientific Practice	20	Semester 1
Haematology and Transfusion Science	20	Semester 1
DNA Technology	20	Semester 1
Clinical Genetics and Clinical Immunology	20	Semester 2
Clinical Microbiology	20	Semester 2
Research Methods in Biosciences	20	Semester 2
Total number of credits of compulsory modules:	120	

Level 5 BSCh Biomedical Science (Pharmacology Pathway)

Module title	Credits	Semester/teaching period
Professional Scientific Practice	20	Semester 1
Haematology and Transfusion Science	20	Semester 1
Pharmacological Treatment of Disease	20	Semester 1
Clinical Genetics and Clinical Immunology	20	Semester 2
Clinical Microbiology	20	Semester 2
Research Methods in Biosciences	20	Semester 2
Total number of credits of compulsory modules:	120	

Level 6**Compulsory modules****Level 6 BSCh Biomedical Science**

Module title	Credits	Semester/teaching period
Clinical Biochemistry	20	Semester 1

Biology of Cancer	20	Semester 1
UG Biomed Research Project	40	Semester 1
Enterprise in Biomedical Science	10	Semester 2
Cellular Pathology	20	Semester 2
UG Biomed Research Project continues		Semester 2
Pathobiology	10	Semester 2
Total number of credits of compulsory modules:	120	

Level 6 BScH Biomedical Science (Medical Biochemistry pathway)

Module title	Credits	Semester/teaching period
Clinical Biochemistry	20	Semester 1
Applied Biochemistry	20	Semester 1
UG Biomed Research Project	40	Semester 1
Enterprise in Biomedical Science	10	Semester 2
Cellular Pathology	20	Semester 2
UG Biomed Research Project continues		Semester 2
Pathobiology	10	Semester 2
Total number of credits of compulsory modules:	120	

Level 6 BScH Biomedical Science (Medical Microbiology Pathway)

Module title	Credits	Semester/teaching period
Clinical Biochemistry	20	Semester 1
Global Topics in Infectious Diseases	20	Semester 1
UG Biomed Research Project	40	Semester 1
Enterprise in Biomedical Science	10	Semester 2
Cellular Pathology	20	Semester 2
UG Biomed Research Project continues		Semester 2
Pathobiology	10	Semester 2
Total number of credits of compulsory modules:	120	

Level 6 BScH Biomedical Science (Molecular Biotechnology pathway)

Module title	Credits	Semester/teaching period
Clinical Biochemistry	20	Semester 1
Medical Biotechnology	20	Semester 1
UG Biomed Research Project	40	Semester 1
Enterprise in Biomedical Science	10	Semester 2
Cellular Pathology	20	Semester 2
UG Biomed Research Project continues		Semester 2
Pathobiology	10	Semester 2
Total number of credits of compulsory modules:	120	

Level 6 BScH Biomedical Science (Pharmacology pathway)

Module title	Credits	Semester/teaching period
Clinical Biochemistry	20	Semester 1
Advances in Pharmacology	20	Semester 1
UG Biomed Research Project	40	Semester 1

Enterprise in Biomedical Science	10	Semester 2
Cellular Pathology	20	Semester 2
UG Biomed Research Project continues		Semester 2
Pathobiology	10	Semester 2
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 mostly by examinations, with some coursework and practical assessments.

Level 5

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

Level 6

Level 6 is assessed mostly by coursework, with some examinations and 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	Level 6
Teaching, learning and assessment	288 hours	288 hours	292 hours
Independent study	912 hours	912 hours	908 hours
Placement study (for applied route students only)		1300 hours	