



LEEDS
BECKETT
UNIVERSITY

Course Specification

BSc (Hons) Biomedical Science

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

Course Code: BIOMS

2026/27

leedsbeckett.ac.uk

BSc (Hons) Biomedical Science (BIOMS C239)
BSc (Hons) Biomedical Science (Medical Biochemistry Pathway) (BIOMS C240)
BSc (Hons) Biomedical Science (Medical Microbiology Pathway) (BIOMS C241)
BSc (Hons) Biomedical Science (Molecular Biotechnology Pathway)BIOMS C243
BSc (Hons) Biomedical Science (Pharmacological Sciences Pathway) BIOMS C242
BSc (Hons) Applied Biomedical Science BIOMS C244

Applicant Facing Course Specification for 2026/27 Entrants

Confirmed at November 2025

General Information

Award	Bachelor of Science with Honours Biomedical Science Bachelor of Science with Honours Biomedical Science (Medical Biochemistry Pathway) Bachelor of Science with Honours Biomedical Science (Medical Microbiology Pathway) Bachelor of Science with Honours Biomedical Science (Molecular Biotechnology Pathway) Bachelor of Science with Honours Biomedical Science (Pharmacological Sciences Pathway) Bachelor of Science with Honours Applied Biomedical Science
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Contained awards

All non-accredited

Biomedical Science

Certificate of Higher Education Medical Sciences
 Diploma of Higher Education Medical Sciences
 Bachelor of Science Medical Sciences

Medical Biochemistry Pathway

Diploma of Higher Education Medical Sciences (Medical Biochemistry Pathway)
 Bachelor of Science Medical Sciences (Medical Biochemistry Pathway)

Medical Microbiology Pathway

Diploma of Higher Education Medical Sciences (Medical Microbiology Pathway)
 Bachelor of Science Medical Sciences (Medical Microbiology Pathway)

Molecular Biotechnology Pathway

Diploma of Higher Education Medical Sciences (Molecular Biotechnology Pathway)
Bachelor of Science Medical Sciences (Molecular Biotechnology Pathway)

Pharmacological Sciences Pathway

Diploma of Higher Education Medical Sciences (Pharmacological Sciences Pathway)
Bachelor of Science Medical Sciences (Pharmacological Sciences Pathway)

BSc (Hons) Applied Biomedical Science

There are no contained awards for these routes as students who fail the placement will revert to their pathway.

Awarding body	Leeds Beckett University
Level of qualification and credits	Level 6 of the Framework for Higher Education Qualifications, with 120 credit points at each of Levels 4, 5 and 6 of the UK Credit Framework for Higher Education (360 credits in total).
Course lengths and standard timescales	<p>Start dates will be notified to students via their offer letter. The length and mode of delivery of the course is:</p> <ul style="list-style-type: none">• 3 years (full time, campus based)• 6 years (part time, campus based)• 4 Years (with full-time one year placement for BScH Applied Biomedical Science route only)
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 from that defined within this information set but the modules offered within each level are consistent. Please note that a work placement option is not generally available to PT students.
Location(s) of delivery	The majority of teaching will be at City campus but on occasion may be at Headingley campus, plus location of placement for BScH Applied Biomedical Science route.
Entry requirements	<p>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/</p> <p>Admissions enquiries may be directed to: AdmissionsEnquiries@leedsbeckett.ac.uk.</p>

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

<https://www.leedsbeckett.ac.uk/our-university/public-information/academic-regulations/>

The course follows the Academic Regulations except where noted below.

Students enrol in year one on BSc (Hons) Biomedical Science. At the end of year one, students can choose to continue the multidisciplinary studies on BSc (Hons) Biomedical Science or alternatively choose to specialise in a specific pathway as named above. For the BSc (Hons) Applied Biomedical Science award, students must successfully complete a 45 week placement in an NHS pathology laboratory after year two.

Must pass components of assessment and modules

IBMS requirements state that students must achieve a pass mark in all assessment components for modules that cover the clinical laboratory sciences subject areas. Condonement/compensation will not be permitted for these modules. Components and modules must be passed by at least 40% for the modules:

Level 5 Clinical Genetic and Clinical Immunology

Level 5 Clinical Microbiology

Level 5 Haematology and Transfusion Science

Level 6 Clinical Biochemistry

Level 6 Cellular Pathology

PRSB requirements state that students must achieve a pass mark in lab exams in the L4 'Practical and Study Skills' module and the L5 'Professional and Scientific Practice' module. Condonement/compensation will not be permitted for these modules. These components must be passed by at least 40%.

Exceptional third assessment attempts

A student may be eligible for an exceptional third attempt for failed assessments on academic modules at level 4 and level 5 if the criteria for this attempt is met and a pass for the assessment is required to meet the progression profile. To meet the criteria, a student must have passed 60 credits or more of the level and have no non-submissions of any assessments on the level.

Contained awards

- Certificate HE Medical Sciences
- Diploma HE Medical Sciences: The specific award title will depend on the modules passed at level 5. If 50% of the credits of the specific pathway are in a specific discipline then the student will be eligible for an award with a pathway title. If not, the award will be Diploma HE Medical Sciences.

- BSc Medical Sciences: The specific award title will depend on the modules passed at level 5 and level 6. If 50% of the credits of the specific pathway are in a specific discipline then the student will be eligible for an award with a pathway title. If not, the award will be BSc Medical Sciences.
- There are no contained awards for BSc (Hons) Applied Biomedical Science, as students who fail the placement revert to their pathway.

BSc (Hons) Applied Biomedical Science

The exemptions below are for BSc (Hons) Applied Biomedical Science, for the placement module only, in order to achieve the award above there will be:

- 100% attendance
- A zero credit module
- Pass/fail module
- This is a 45-week placement, starting in September, so outside of the standard University calendar

Students must comply with the University's fitness to practise policy: https://www.leedsbeckett.ac.uk/-/media/files/policies/student/ups_fitness_to_practise_policy_procedure.pdf

Professional Accreditation or Recognition Associated with the Course

Professional body

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

Accreditation/recognition summary

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.

'In Year' Work Placement Information

Summary

The Applied Biomedical Science course contains a placement year.

The purpose of the placement is to provide the student with valuable work experience and appropriate training to support the completion of an IBMS registration portfolio. The IBMS verifies competence to practice against the HCPC Standards of Proficiency and awards a Certificate of Competence for individuals who wish to register as a Biomedical Scientist with the HCPC.

Placement Delivery

The BScH Applied Biomedical Science route placements are in conjunction with local NHS Hospital Pathology departments. Availability of placements may be variable and limited by these organisations. The process for application is communicated to students at Level 5 and is in the form of a written application followed by an invitation to competitive interview. Dependent upon the number of applicants and spaces available, not all students may be successful in their application. Unsuccessful applicants would remain on the BScH Biomedical Science route of their choice.

BScH Applied Biomedical Science students will enrol onto a placement module after Level 5. This non-credit bearing module will be for the duration of the 45-week clinical laboratory placement. Enrolment onto Level 6 follows completion of the placement. Students are required to pass the placement to obtain the BScH Applied Biomedical Science award, any student who fails the placement would revert onto their chosen Biomedical Science pathway.

Location

The BScH Applied Biomedical Science route placements are in conjunction with local NHS Hospital Pathology departments. Availability of placements may be variable and limited by these organisations.

Approval

The Registration Portfolio provides the framework for education and training in order for Biomedical Scientists to demonstrate their fitness to practice through evidence of competence that the standards of proficiency have been met. It is divided into 2 sections: Professional Conduct and Professional Practice with each section split into 5 modules. Each module requires 3 pieces of evidence to demonstrate knowledge and competency. Evidence can take the form of written assignments, reflective statements, witness statements and through performing standard hospital investigations.

The portfolio is assessed after the completion of Level 6 Project (as this forms part of the evidence for the Research & Development portfolio module). Following successful portfolio verification and completion of the BSc (Hons) Applied Biomedical Science degree, the student will be eligible to receive a Certificate of Competence award from the IBMS. This provides eligibility to register with the Health and Care Professions Council (HCPC) as a Biomedical Scientist, a requirement for practising in the NHS.

There are Occupational Health requirements associated with a placement in a hospital setting. These will be managed by Practice Learning Team, Leeds Beckett University and must be completed prior to the placement commencing. The recruitment and application process will be overseen by the Biomedical Sciences department in the School of Health in collaboration with the relevant hospital disciplines. The Pathology department of the hospital will be responsible for establishing an honorary contract for the duration of the placement.

Timetable

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

Dr Wayne Roberts

Your course administrator

Sarah Kelly Sarah.Kelly@leedsbeckett.ac.uk

Course Overview

Aims

The aims of the programme are to:

- Provide a sound higher education in biomedical sciences as applied to human health and disease.
- 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.
- 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.
- Enable students to become lifelong learners through reflective and evaluative skills, allowing them to adapt and respond to change.
- Enable students to communicate effectively.
- 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.
- Enable students to graduate with a degree acceptable for the education requirements for registration as a biomedical scientist.

Course learning outcomes

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

1	Describe the main principles, theories and concepts of the contributory disciplines of biomedical sciences and be able to discuss the relative importance of the contribution of each of these disciplines to an understanding of current issues in the field of biomedical sciences on a global level, while demonstrating a specialist knowledge in the pathway area they have chosen to study.
2	Appreciate the contribution of biomedical sciences to current advances in health sciences both in developed and developing countries.
3	Demonstrate the ability to integrate the knowledge base from different disciplines to promote innovative solutions to problems and dilemmas.
4	Demonstrate the ability to add to the knowledge base by the formulation of research questions and the development and implementation of appropriate research strategies.
5	Demonstrate a range of employability skills such as communication, critical analysis, problem-solving, reflection, information retrieval skills, team work, plus confidently use digital technologies to enhance academic, personal, and professional development.

6	Demonstrate the ability to carry out a range of laboratory techniques and procedures in line with those of a diagnostic or research laboratory.
7	Demonstrate an innovative and creative approach to problem solving.

Teaching and Learning Activities

Summary

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.

Your modules

This information is correct for students progressing through the programme within standard timescales. 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. Part-time students will be supported by the course team to determine an appropriate selection of modules from the level for each year of study.

Level 4 – All Routes

Compulsory modules

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

Level 5 – BSCh Biomedical Science

Compulsory modules

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

Level 5 – BSCh Biomedical Science (Medical Biochemistry Pathway)

Compulsory modules

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

Level 5 – BScH Biomedical Science (Medical Microbiology Pathway)

Compulsory modules

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

Level 5 – BScH Biomedical Science (Molecular Biotechnology Pathway)

Compulsory modules

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

Level 5 – BScH Biomedical Science (Pharmacological Sciences Pathway)

Compulsory modules

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

Level 6 – BScH Biomedical Science

Compulsory modules

Module title	Credits	Semester/ teaching period
Clinical Biochemistry	20	1
Biology of Cancer	20	1
UG Biomed Research Project	40	Year-long
Enterprise in Biomedical Science	10	2
Cellular Pathology	20	2
Pathobiology	10	2
Number of credits of compulsory modules	120	

Level 6 – BScH Biomedical Science (Medical Biochemistry Pathway)

Compulsory modules

Module title	Credits	Semester/ teaching period
Clinical Biochemistry	20	1
Applied Biochemistry	20	1
UG Biomed Research Project	40	Year-long
Enterprise in Biomedical Science	10	2
Cellular Pathology	20	2
Pathobiology	10	2
Number of credits of compulsory modules	120	

Level 6 – BScH Biomedical Science (Medical Microbiology Pathway)

Compulsory modules

Module title	Credits	Semester/ teaching period
Clinical Biochemistry	20	1
Global Topics in Infectious Diseases	20	1
UG Biomed Research Project	40	Year-long
Enterprise in Biomedical Science	10	2
Cellular Pathology	20	2
Pathobiology	10	2

Number of credits of compulsory modules	120	
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Level 6 – BScH Biomedical Science (Molecular Biotechnology Pathway)

Compulsory modules

Module title	Credits	Semester/ teaching period
Clinical Biochemistry	20	1
Molecular Biotechnology	20	1
UG Biomed Research Project	40	Year-long
Enterprise in Biomedical Science	10	2
Cellular Pathology	20	2
Pathobiology	10	2
Number of credits of compulsory modules	120	

Level 6 – BScH Biomedical Science (Pharmacological Sciences Pathway)

Compulsory modules

Module title	Credits	Semester/ teaching period
Clinical Biochemistry	20	1
Advances in Pharmacology	20	1
UG Biomed Research Project	40	Year-long
Enterprise in Biomedical Science	10	2
Cellular Pathology	20	2
Pathobiology	10	2
Number of credits of compulsory modules	120	

Assessment and Scheduled Learning and Teaching Activities

The assessment balance and overall workload associated with this course are calculated from core and pathway modules. Applicants should note that the specific pathway 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 4

Level 4 is assessed mainly by examinations with some coursework and practical assessments.

Level 5

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

Level 6

Level 6 is assessed mainly by coursework with some examinations and practical assessments.

Workload

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 (for applied route students only)	N/A	1300 hours	N/A