

1. Programme title(s) and code(s):

Biological Sciences MBiolSci

Biological Sciences BSc*

Biological Sciences DipHE*

Biological Sciences CertHE*

Biological Sciences (Biochemistry) MBiolSci

Biological Sciences (Biochemistry) BSc*

Biological Sciences (Biochemistry) DipHE*

Biological Sciences (Biochemistry) CertHE*

Biological Sciences (Genetics) MBiolSci

Biological Sciences (Genetics) BSc*

Biological Sciences (Genetics) DipHE*

Biological Sciences (Genetics) CertHE*

Biological Sciences (Microbiology) MBiolSci

Biological Sciences (Microbiology) BSc*

Biological Sciences (Microbiology) DipHE*

Biological Sciences (Microbiology) CertHE*

Biological Sciences (Neuroscience) MBiolSci

Biological Sciences (Neuroscience) BSc*

Biological Sciences (Neuroscience) DipHE*

Biological Sciences (Neuroscience) CertHE*

Biological Sciences (Physiology with Pharmacology) MBiolSci

Biological Sciences (Physiology with Pharmacology) BSc*

Biological Sciences (Physiology with Pharmacology) DipHE*

Biological Sciences (Physiology with Pharmacology) CertHE*

Medical Biosciences (Biochemistry) MBiolSci

Medical Biochemistry BSc*

Medical Biochemistry DipHE*

Medical Biochemistry CertHE*

Medical Biosciences (Genetics) MBiolSci

Medical Genetics BSc*

Medical Genetics DipHE*

Medical Genetics CertHE*

Medical Biosciences (Microbiology) MBiolSci

Medical Microbiology BSc*

Medical Microbiology DipHE*

Medical Microbiology CertHE*

Medical Biosciences (Physiology) MBiolSci

Medical Physiology BSc*

Medical Physiology DipHE*

Medical Physiology CertHE*

With optional Year in Industry or Year Abroad (in Europe, USA or Japan)

Notes

* An award marked with an asterisk is only available as an exit award and is not available for students to register onto.

a) [HECOS Code](#)

HECOS Code	%
[Insert HECOS Code]	[Insert %]
[Insert HECOS Code or delete row, as applicable]	[Insert % or delete row]
[Insert HECOS Code or delete row, as applicable]	[Insert % or delete row]
[Insert HECOS Code or delete row, as applicable]	[Insert % or delete row]

b) **UCAS Code (where required)**

C103

C703

C403

C503

B143

B1B3

C723

C433

C523

B123

2. Awarding body or institution:

University of Leicester

3. a) Mode of study

Full-time

b) Type of study

Campus-based

4. Registration periods:

The normal period of registration is four years (five years for degrees 'with a year in industry/abroad')

The maximum period of registration six years (seven years for degree 'with a year in industry/abroad')

5. Typical entry requirements

A-levels: typical offer AAB/ABB, normally including at least two relevant science subjects from Biology, Chemistry, Physics or Maths. We may consider two AS-levels in place of one A2-level. General Studies not accepted.

EPQ with A-levels: typical offer BBB + EPQ at grade B. A-level subjects to include two relevant science subjects from Biology (preferred), Chemistry, Physics or Maths. General Studies not accepted.

GCSE: At least Grade C/4 in both English Language and Maths (if not held at A-level)

Access to HE Diploma: Pass Science diploma with 45 credits at level three, 30 of which must be at distinction.

International Baccalaureate: Pass Diploma with 32/30 points, with a minimum of 17/16 points at HL to include grade 6 and 5 in at least two relevant science subjects from Biology, Chemistry, Physics or Maths. Minimum of 3 in HL Maths or 4 in SL Mathematics, or 5 in Maths Studies required if grade C/4 not held at GCSE. Minimum of 4 in English Language required if grade C/4 not held at GCSE.

BTEC Nationals: Pass Applied Science Diploma with DDD plus five GCSEs at B/5 or above including two relevant sciences. Please contact Admissions before applying.

English Language Requirements:

IELTS 6.5 or equivalent. If an applicant's first language is not English, they may need to provide evidence of their English language ability. If they do not yet meet our requirements, the English Language Teaching Unit (ELTU) offers a range of courses to help applicants to improve their English to the necessary standard.

For the aims, learning outcomes and application criteria for the GCSA Year Abroad please see <https://le.ac.uk/study/undergraduates/courses/abroad>

6. Accreditation of Prior Learning

Direct 2nd year entry is considered subject to completion of a level 4 programme of comparable content to those studies in year 1 of this programme, passing all modules and with a year mark of at least 65%.

7. Programme aims

The programme aims to provide:

At levels 4, 5 and 6:

- a flexible teaching and learning programme of high quality that is informed by an active research environment in which students develop their own interests
- a stimulating and supportive working environment;

- an education that will enable graduates to follow a variety of careers including higher degrees and research;

and to enable students to:

- have a broad appreciation of biological sciences or of biomedical and related disciplines with an emphasis on human health and disease, and advanced knowledge of one or more areas including appreciation of aspects of the underpinning research;
- develop a range of subject-specific skills including practical and transferable skills aligned to the Transferrable Skills Framework: Interpersonal Skills, Skills associated with Exploration and Implementation and Self-Management Skills;

In addition to the above, at level 7:

- Provide instruction in current concepts and techniques of a specialised area of Biological Sciences as applied in modern research;
- Offer practical instruction in experimental techniques and use of common laboratory equipment;
- Give students direct experience of laboratory-based research during a long research placement;
- Provide a framework to develop skills to plan research and devise strategies to achieve specific research goals;
- Prepare graduates for employment in molecular, biomedical or biotechnological research and related industries, or for entry to PhD programmes;

In addition, for 'with a Year Industry' variants:

- To provide students with an experience of the application of Biological and/or Biomedical professional skills in an industrial environment and to reinforce knowledge through its use in different environments;
- To gain an appreciation of the full range of skills required by Biological and Biomedical Scientists in industry.

In addition, for 'with a Year Abroad' variants:

- To provide experience of study of Biological or Medical Biosciences at an overseas University, to reinforce knowledge through use in different environments and when studying abroad develop communication skills in a foreign language.

8. Reference points used to inform the programme specification

- QAA Benchmarking Statement
- QAA Master's Degree Characteristics Statement
- Framework for Higher Education Qualifications (FHEQ)
- UK Quality Code for Higher Education
- [University Learning Strategy](#)
- [University Assessment Strategy](#)
- University of Leicester Periodic Developmental Review Report
- External Examiners' reports (annual)
- United Nations Education for Sustainable Development Goals
- Student Destinations Data
- Student feedback
- University Employability Strategy
- Relevant information from learned societies

9. Programme Outcomes

Unless otherwise stated, programme outcomes apply to all awards specified in 1. Programme title(s).

a) Discipline specific knowledge and competencies

i) Mastery of an appropriate body of knowledge

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate an awareness of main principles of biological sciences, biomedical sciences and related disciplines and explain core concepts of their chosen discipline. Describe current areas of advance in their chosen specialisation(s).	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study.	Examination, coursework (e.g. practical reports, written reports, data analysis, field reports, oral presentations, group reports, video production, poster production, dissertation)
Demonstrate high-level knowledge of a research topic (MBiolSci only)	Independent research (MBiolSci only)	Individual research project and level 7 dissertation (MBiolSci only)

ii) Understanding and application of key concepts and techniques

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Describe and apply safely appropriate experimental procedures in biological sciences, biomedical sciences and related disciplines. Apply a scientific approach to the solution of problems in the context of their chosen specializations and appreciate the rationale of experimental design. Explain core concepts of their chosen discipline.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study.	Examination and coursework
Demonstrate understanding of advanced concepts of their chosen discipline. Practical demonstration of experimental method. Competent use of standard and specialised equipment. Ability to interrogate publication databased and biological data resources. Manipulate simple biological data (MBiolSci only)		Experimental analyses. Contributions to discussions (formative). Individual research project. Project report (MBiolSci only)

iii) Critical analysis of key issues

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate a capacity for scientific analysis of issues in the context of biological sciences, biomedical sciences and related disciplines.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study.	Examination and coursework
Critically appraise data and results and critically review literature (MBiolSci only)	Laboratory classes, laboratory research project supervision and appraisals. Independent research (MBiolSci only)	Experimental analyses. Contributions to discussions. Project appraisals (formative). Project report. Individual research project (MBiolSci only)

iv) Clear and concise presentation of material

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Communicate orally and in writing concepts and arguments in biological Sciences, biomedical sciences and related disciplines.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study.	Examination and coursework
Present scientific results. Participate in scientific discussion (MBiolSci only)	Laboratory classes. Research project supervision. Research project laboratory meetings (MBiolSci only)	Contributions to discussions. Laboratory presentations, project presentations (formative and assessed) (MBiolSci only)

v) Critical appraisal of evidence with appropriate insight

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the capacity to analyse and criticise evidence from both experimental procedures and the literature.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study.	Examination and coursework
Demonstrate awareness of the experimental method and project design (MBiolSci only)	Laboratory classes, lectures, research project supervision, tutorials (MBiolSci only)	Experimental analyses. Individual research project and dissertation (MBiolSci only)

vi) Other discipline specific competencies

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
In the year in industry/abroad programmes, demonstrate the capacity to work in an industrial or other research laboratory or study in another European, American or Japanese University.	Laboratory work, research project	Research report, practical reports

b) Transferable skills

i) Oral communication

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Communicate orally, with clarity and coherence, concepts and arguments in biological sciences, biomedical sciences and related disciplines.	Tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work.	Oral presentations, group reports, tutorials.
Deliver effective oral presentations (MBiolSci only)		Individual research project. Project appraisals (formative). Project report. Research seminar (MBiolSci only)

ii) Research skills

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Should be able to problem solve, analyse data and interpret simple statistical tests. Should maintain useful research notes/records (MBiolSci only)	Laboratory and computer classes. Individual research project. Project supervision (MBiolSci only)	Performance in laboratory and computer classes (formative). Laboratory notebook. Experimental analyses. Examinations: problem-based. Individual research project (MBiolSci only)

iii) Written communication

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Communicate in writing, with clarity and coherence, concepts and arguments in biological sciences, biomedical sciences and related disciplines.	Tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work.	Examination and coursework

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Write effective scientific reports (MBiolSci only)	Study skills support. Project supervision. Individual research project (MBiolSci only)	Individual research project. Project appraisals (formative). Project report. Research seminar (MBiolSci only)

iv) Information technology

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the effective use of IT for accessing databases and scientific literature; manipulating, processing and presenting data; presenting written assignments.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study.	Examination and coursework
Ability to interrogate publication databases and use bibliographic software. Identify, retrieve and manipulate simple biological data. Demonstrate mastery of word processing and presentation software (MBiolSci only)	Laboratory and computer classes. Study skills support (MBiolSci only)	Experimental analyses. Essay. Seminar presentation. Project report (MBiolSci only)

v) Numeracy

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Understand and manipulate numerical data, solve problems using a variety of methods and apply numerical and statistical techniques to data analysis.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study.	Examination and coursework

vi) Team working

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the ability to work as part of a group	Tutorials, group work, research projects.	Group reports, use of class data to generate practical reports
Display project management and organisational skills. Effective interaction with supervisor (MBiolSci only)	Individual research project. Project supervision (MBiolSci only)	Assessment of project. Formative feedback in laboratory classes (MBiolSci only)

vii) Problem solving

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Apply a scientific approach to the solution of problems in the context of their chosen specialisations and appreciate the rationale of experimental design.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study. Individual research project. Project supervisor (MBiolSci only),.	Examination and coursework . Assessment of project. Formative feedback in laboratory classes (MBiolSci only).

viii) Information handling

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the capacity to access a variety of resource materials and to analyse evidence from both experimental procedures and the literature.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, and private study.	Examination and coursework

ix) Skills for lifelong learning

Intended Learning Outcomes	Teaching and Learning Methods	How Demonstrated?
Demonstrate the acquisition of the skills and attributes necessary for lifelong learning, including: intellectual independence, effective time management, the ability to work as part of a team, the use of IT and the capacity to access and utilise a variety of resource materials.	Lectures, tutorials, seminars, practical classes, computer classes, discussions, fieldwork (where appropriate), research projects, group work, directed reading, resource-based learning, private study, career development programme.	Examination, coursework, personal development planning.
Apply study skills and manage information. Develop specialisation and manage project (MBiolSci only)	Library and IT skills, study skills support. Individual research project (MBiolSci only)	Essay. Individual research project. Project appraisals (formative) (MBiolSci only)

10. Progression points

This programme follows the standard Scheme of Progression set out in [Senate Regulations](#) – see the version of Senate Regulation 5 governing undergraduate programmes relevant to the year of entry.

The following additional progression requirements for this programme have been approved:

Progression from levels 4 to 5 and 5 to 6:

- In order to remain on the MBiolSci programme students are required to achieve a CWA of at least 50% at the end of level 5 and have no resits. Students whose CWA is between 45-50% (or who have a resit) will be individually considered for progression by the exam board in light of mitigating or other circumstances. Students who fail to meet these criteria at the end of the second year are required to transfer to the relevant BSc programme.
- The Board of Examiners reserves the right to determine the progression of students who carry failed credits but have the right to a further resit: where these credits are in modules that are pre-requisite for subsequent modules or where the student has a low overall level of attainment, the Board can require the student to repeat level 4 or resit the failed modules without residence rather than proceed to the next year carrying failed modules to be resat alongside the current modules. In cases where a student has failed to meet a requirement to progress he or she will be required to withdraw from the course.

Progression from level 6 to 7:

- To progress to level 7, students will need a level 6 CWA of 50.00% or higher. Those failing to achieve this will be considered by the Board of Examiners for the appropriate BSc with or without industry. In exceptional circumstances a student may fail credits in year 3. If only 15 credits are failed then students may proceed to level 7 and re-sit the failed assessments or alternatively graduate with a BSc; levels 4, 5 and 6 of the MBiolSci programme meet the intended learning outcomes of the equivalent BSc programme. If students do not pass the level 6 (Y3) 30 credit module, they will be at high-risk of not achieving the necessary credit-weighted-average for progression to level 7.
- The number of students allowed to transfer to the MBiolSci will be capped at 15. Should more than 15 students apply performance at interview will be used to select those progressing to level 7.

Progression to Year Abroad:

- Students will have the opportunity to take a Year Abroad either between levels 5 and 6 OR levels 6 and 7. Student can only take a Year Abroad on one occasion and cannot take both a Year Abroad AND a Year in Industry.
- To take a Year Abroad after level 5, students would need a CWA of 55.00% or higher at both level 4 and 5 and be carrying no failed modules. Students who obtain a level 5 CWA of less than 65.00% will be permitted to take a Year Abroad but will not be eligible for progression to level 7, and therefore would revert to a BSc (with a Year Abroad). See 'Progression from levels 4 to 5 and 5 to 6' for more information.
- To take a Year Abroad after level 6, students would need a level 5 CWA of 65.00% or higher and a level 6 CWA of 65.00% or higher. Students who do not meet the eligibility criteria, but who meet the requirements to graduate with a BSc, would graduate that year with a BSc. See 'Progression from level 6 to 7' for more information.

Progression to Year in Industry

- Students will have the opportunity to take a Year in Industry either between levels 5 and 6 OR levels 6 and 7. Student can only take a Year in Industry on one occasion and cannot take both a Year in Industry AND a Year Abroad
- To take a Year in Industry after level 5, students would need to meet standard University eligibility requirements to progress to the next level of study. Students who obtain a level 5 CWA of less than 65.00% will be permitted to take a Year in Industry but will not be eligible for progression to level 7, and therefore would revert to a BSc (with a Year in Industry). See 'Progression from levels 4 to 5 and 5 to 6' for more information.
- To take a Year in Industry after level 6, students would need a level 5 CWA of 65.00% or higher and a level 6 CWA of 65.00% or higher. Students who do not meet the eligibility

criteria, but who meet the requirements to graduate with a BSc, would graduate that year with a BSc. See 'Progression from level 6 to 7' for more information.

Exit awards:

Students who fail to complete level 5 study, level 6 study or level 7 study will be eligible for exit awards. Students are not permitted to register purely for the CertHE or DipHE.

11. Criteria for award and classification

This programme follows the standard scheme of undergraduate award and classification set out in [Senate Regulations](#) – see the version of *Senate Regulation 5 governing undergraduate programmes* relevant to the year of entry.

12. Special features

Students receive a broad education in biological sciences, biomedical sciences and related disciplines in the first year, along with training in key skills. As the course progresses into the second and third years the students have the flexibility to specialise progressively within the specified subject streams or to retain a broader perspective. Opportunities are available to take placements within related industries, or to study at universities abroad.

The School has a strong reputation for research and the range of staff expertise enables provision of research-led, level 6 and 7 programmes that offer breadth and depth. In the fourth year, the students move on to a level 7, 60 credit taught programme that mirrors one of the School's laboratory-based MSc programmes; they then follow this up with a 60 credit research project.

The number of students who can attend the BS2033 trip is limited to 20 students. Priority will be given in the first instance to students who are taking at least two of the following modules: BS2030, BS2032 and MB2020. If there are further vacancies, the trip will be opened to other students and selection will take place on a first come, first served basis.

13. Indications of programme quality

External examiner evaluations.

Annual Development Review.

Periodic Development Review.

Module Review.

Destinations of Leavers from Higher Education (DLHE) and Longitudinal Educational Outcomes Survey (LEO).

National Student Survey.

Student Feedback.

Oversight by Programme Team, School Education Committee and Education Quality, Enhancement and Development Team.

14. External Examiner(s) reports

The details of the External Examiner(s) for this programme and the most recent External Examiners' reports for this programme can be found at exampapers@Leicester [log-in required]

Programme Specification (Undergraduate)

FOR ENTRY YEAR: 2023/24

Date created: 21/12/2022

Last amended: 21/12/2022

Version no. 1

Appendix 1: Programme structure (programme regulations)

The University regularly reviews its programmes and modules to ensure that they reflect the current status of the discipline and offer the best learning experience to students. On occasion, it may be necessary to alter particular aspects of a course or module.

Updates to the programme

Year affected	Module	Update
2024/25	MB2050	Title changed from Applications of Medical Biochemistry

Biological Sciences MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits

Delivery period	Code	Title	Credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	BS1070	Biodiversity and Behaviour – An Introduction to Zoology	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	15 credits	n/a
Optional	n/a	45 credits	60 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits

Notes

N/A

Option modules

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits

Delivery period	Code	Title	Credits
Semester 1	BS2059	Global Change Biology and Conservation	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits
Semester 2	BS2066	Behavioural Neurobiology	15 credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits
Semester 2	BS2078	A Field Guide to Evolution	15 credits
Semester 2	BS2091	From Genes to Proteins	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	15 credits	n/a

Status	Year long	Semester 1	Semester 2
Optional	n/a	30 credits	45 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	n/a
Optional	n/a	30 credits	60 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits

Delivery period	Code	Title	Credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits

Notes

Students choose ONE project type from the above five options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Delivery period	Code	Title	Credits
Semester 1	BS3000	Evolutionary Genetics	15 credits
Semester 1	BS3010	Gene Expression: Molecular Basis and Medical Relevance	15 credits
Semester 1	BS3015	Molecular and Cellular Immunology	15 credits
Semester 1	BS3031	Human Genetics	15 credits
Semester 1	BS3054	Molecular and Cellular Pharmacology	15 credits
Semester 1	BS3055	Molecular and Cellular Neuroscience	15 credits
Semester 1	BS3064	Comparative Neurobiology	15 credits
Semester 1	BS3068	Microbial Biotechnology	15 credits
Semester 1	BS3070	Structural Biology	15 credits
Semester 1	BS3078	Subtropical Physiology and Ecology	15 credits
Semester 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	BS3073	Conservation and Ecological Genetics	15 credits
Semester 2	BS3080	Behavioural Ecology	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Biological Sciences (Biochemistry) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	BS1070	Biodiversity and Behaviour – An Introduction to Zoology	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	BS2092	Molecular and Cell Biology	15 credits
Sem 2	BS2091	From Genes to Proteins	15 credits

Notes

N/A

Option modules

Students **MUST** choose **ONE** or **TWO** modules from BS2040 and BS2093.

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits
Semester 1	BS2059	Global Change Biology and Conservation	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics*	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2066	Behavioural Neurobiology	15 credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits
Semester 2	BS2078	A Field Guide to Evolution	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation*	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	45 credits	15 credits
Optional	n/a	n/a	30 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	15 credits
Optional	n/a	n/a	45 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits
Sem 1	BS3010	Gene Expression: Molecular Basis and Medical Relevance	15 credits
Sem 1	BS3070	Structural Biology	15 credits
Sem 2	BS3003	Cancer Cell and Molecular Biology	15 credits

Notes

Students choose ONE project type from the above five project options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Delivery period	Code	Title	Credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	BS3073	Conservation and Ecological Genetics	15 credits
Semester 2	BS3080	Behavioural Ecology	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Biological Sciences (Genetics) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	BS1070	Biodiversity and Behaviour – An Introduction to Zoology	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	BS2009	Genomes	15 credits
Sem 2	BS2040	Bioinformatics	15 credits

Notes

N/A

Option modules

Students MUST choose **ONE** or **TWO** modules from BS2092 and BS2026

Delivery period	Code	Title	Credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits
Semester 1	BS2059	Global Change Biology and Conservation	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2066	Behavioural Neurobiology	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits
Semester 2	BS2078	A Field Guide to Evolution	15 credits
Semester 2	BS2091	From Genes to Proteins	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation*	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	45 credits	15 credits
Optional	n/a	n/a	30 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	15 credits
Optional	n/a	n/a	45 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits
Sem 1	BS3000	Evolutionary Genetics	15 credits
Sem 1	BS3031	Human Genetics	15 credits

Notes

Students choose ONE project type from the above five project options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Students MUST choose **ONE** or **TWO** modules from BS3011 and BS3073

Delivery period	Code	Title	Credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	BS3073	Conservation and Ecological Genetics	15 credits
Semester 2	BS3080	Behavioural Ecology	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Biological Sciences (Microbiology) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	BS1070	Biodiversity and Behaviour – An Introduction to Zoology	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	45 credits	n/a
Optional	n/a	15 credits	60 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	BS2030	Principles of Microbiology	15 credits
Sem 1	MB2020	Medical Microbiology	15 credits

Notes

N/A

Option modules

Students MUST choose **ONE** module from BS2032 OR BS2033

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2059	Global Change Biology and Conservation	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits
Semester 2	BS2066	Behavioural Neurobiology	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits
Semester 2	BS2078	A Field Guide to Evolution	15 credits
Semester 2	BS2091	From Genes to Proteins	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation*	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	15 credits	n/a
Optional	n/a	30 credits	45 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	n/a
Optional	n/a	30 credits	60 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits

Notes

Students choose ONE project type from the above five project options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Students MUST choose **THREE** or **FOUR** modules from BS3015, BS3068, BS3011 and BS3013

Delivery period	Code	Title	Credits
Semester 1	BS3000	Evolutionary Genetics	15 credits
Semester 1	BS3010	Gene Expression: Molecular Basis and Medical Relevance	15 credits
Semester 1	BS3015	Molecular and Cellular Immunology	15 credits
Semester 1	BS3031	Human Genetics	15 credits
Semester 1	BS3054	Molecular and Cellular Pharmacology	15 credits
Semester 1	BS3055	Molecular and Cellular Neuroscience	15 credits
Semester 1	BS3064	Comparative Neurobiology	15 credits
Semester 1	BS3068	Microbial Biotechnology	15 credits
Semester 1	BS3078	Subtropical Physiology and Ecology	15 credits
Semester 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	BS3073	Conservation and Ecological Genetics	15 credits
Semester 2	BS3080	Behavioural Ecology	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Biological Sciences (Neuroscience) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	BS1070	Biodiversity and Behaviour – An Introduction to Zoology	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	BS2015	Physiology of Excitable Cells	15 credits
Sem 2	BS2066	Behavioural Neurobiology	15 credits

Notes

N/A

Option modules

Students **MUST** choose **ONE** or **TWO** modules from BS2013 and BS2040

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits
Semester 1	BS2059	Global Change Biology and Conservation	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits
Semester 2	BS2078	A Field Guide to Evolution	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2091	From Genes to Proteins	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation*	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	30 credits	15 credits
Optional	n/a	15 credits	30 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	45 credits	15 credits
Optional	n/a	15 credits	45 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits

Delivery period	Code	Title	Credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits
Sem 1	BS3055	Molecular and Cellular Neuroscience	15 credits
Sem 2	BS3016	Neuroscience Futures	15 credits

Notes

Students choose ONE project type from the above five project options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Students MUST choose **TWO** or **THREE** modules from BS3054, BS3064 and BS3033

Delivery period	Code	Title	Credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3073	Conservation and Ecological Genetics	15 credits
Semester 2	BS3080	Behavioural Ecology	15 credits
Semester 2	MB3057	Current and Future Therapeutics	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Biological Sciences (Physiology with Pharmacology) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	BS1070	Biodiversity and Behaviour – An Introduction to Zoology	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	BS2013	Physiology and Pharmacology	15 credits
Sem 2	BS2014	Exercise Physiology and Pharmacology	15 credits

Notes

N/A

Option modules

Students **MUST** choose **ONE** or **TWO** modules from BS2015 and BS2093

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits
Semester 1	BS2059	Global Change Biology and Conservation	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2078	A Field Guide to Evolution	15 credits
Semester 2	BS2091	From Genes to Proteins	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation*	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	30 credits	15 credits
Optional	n/a	15 credits	30 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	45 credits	15 credits
Optional	n/a	15 credits	45 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits

Delivery period	Code	Title	Credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits
Sem 1	BS3054	Molecular and Cellular Pharmacology	15 credits
Sem 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits

Notes

Students choose ONE project type from the above five project options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Students MUST choose **TWO** or **THREE** modules from BS3055, BS3033 and MB3057

Delivery period	Code	Title	Credits
Semester 1	BS3000	Evolutionary Genetics	15 credits
Semester 1	BS3010	Gene Expression: Molecular Basis and Medical Relevance	15 credits
Semester 1	BS3015	Molecular and Cellular Immunology	15 credits
Semester 1	BS3031	Human Genetics	15 credits
Semester 1	BS3055	Molecular and Cellular Neuroscience	15 credits
Semester 1	BS3064	Comparative Neurobiology	15 credits
Semester 1	BS3068	Microbial Biotechnology	15 credits
Semester 1	BS3070	Structural Biology	15 credits
Semester 1	BS3078	Subtropical Physiology and Ecology	15 credits
Semester 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3073	Conservation and Ecological Genetics	15 credits
Semester 2	BS3080	Behavioural Ecology	15 credits
Semester 2	MB3057	Current and Future Therapeutics	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Biological Sciences (Zoology) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	BS1070	Biodiversity and Behaviour – An Introduction to Zoology	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	BS2059	Global Change Biology and Conservation	15 credits
Sem 2	BS2077	Neurobiology and Animal Behaviour	15 credits

Notes

N/A

Option modules

Students MUST choose **THREE** or **FOUR** modules from BS2009, BS2015, BS2026 and BS2078

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2078	A Field Guide to Evolution	15 credits
Semester 2	BS2091	From Genes to Proteins	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation*	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	15 credits	n/a
Optional	n/a	30 credits	45 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	n/a
Optional	n/a	30 credits	60 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits

Delivery period	Code	Title	Credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits

Notes

Students choose ONE project type from the above five project options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Students MUST choose **THREE** or **FOUR** modules from BS3064, BS3033, BS3073 and BS3080

Delivery period	Code	Title	Credits
Semester 1	BS3000	Evolutionary Genetics	15 credits
Semester 1	BS3010	Gene Expression: Molecular Basis and Medical Relevance	15 credits
Semester 1	BS3015	Molecular and Cellular Immunology	15 credits
Semester 1	BS3031	Human Genetics	15 credits
Semester 1	BS3054	Molecular and Cellular Pharmacology	15 credits
Semester 1	BS3055	Molecular and Cellular Neuroscience	15 credits
Semester 1	BS3064	Comparative Neurobiology	15 credits
Semester 1	BS3068	Microbial Biotechnology	15 credits
Semester 1	BS3070	Structural Biology	15 credits
Semester 1	BS3078	Subtropical Physiology and Ecology	15 credits
Semester 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	BS3073	Conservation and Ecological Genetics	15 credits
Semester 2	BS3080	Behavioural Ecology	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Medical Biosciences (Biochemistry) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	MB1080	An Introduction to Medical Bioscience	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	MB2050	Biochemical Approaches to Therapeutic Development	15 credits
Sem 2	BS2091	From Genes to Proteins	15 credits

Notes

N/A

Option modules

Students MUST choose **TWO** or **THREE** modules from BS2092, BS2093 and BS2040

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2066	Behavioural Neurobiology	15 credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits
Semester 2	BS2078	A Field Guide to Evolution	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	30 credits	15 credits
Optional	n/a	15 credits	30 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	45 credits	15 credits
Optional	n/a	15 credits	45 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits
Sem 1	BS3010	Gene Expression: Molecular Basis and Medical Relevance	15 credits
Sem 2	MB3001	Biochemical Mechanisms of Human Disease	15 credits

Notes

Students choose ONE project type from the above five options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Students MUST choose **ONE** or **TWO** modules from BS3070 and BS3003

Delivery period	Code	Title	Credits
Semester 1	BS3000	Evolutionary Genetics	15 credits
Semester 1	BS3015	Molecular and Cellular Immunology	15 credits
Semester 1	BS3031	Human Genetics	15 credits
Semester 1	BS3054	Molecular and Cellular Pharmacology	15 credits
Semester 1	BS3055	Molecular and Cellular Neuroscience	15 credits
Semester 1	BS3064	Comparative Neurobiology	15 credits
Semester 1	BS3068	Microbial Biotechnology	15 credits
Semester 1	BS3070	Structural Biology	15 credits
Semester 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Medical Biosciences (Genetics) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	MB1080	An Introduction to Medical Bioscience	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	n/a
Optional	n/a	30 credits	60 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	MB2051	Current Issues in Medical Genetics	15 credits

Notes

N/A

Option modules

Students MUST choose **TWO** or **THREE** modules from BS2009, BS2026 and BS2040

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits
Semester 2	BS2066	Behavioural Neurobiology	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits
Semester 2	BS2091	From Genes to Proteins	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	45 credits	30 credits
Optional	n/a	n/a	15 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	30 credits
Optional	n/a	n/a	30 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits

Delivery period	Code	Title	Credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits
Sem 1	BS3000	Evolutionary Genetics	15 credits
Sem 1	BS3031	Human Genetics	15 credits
Sem 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Sem 2	MB3050	Medical Genetics	15 credits

Notes

Students choose ONE project type from the above five options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Delivery period	Code	Title	Credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Medical Biosciences (Microbiology) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	MB1080	An Introduction to Medical Bioscience	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	45 credits	n/a
Optional	n/a	15 credits	60 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 1	BS2030	Principles of Microbiology	15 credits
Sem 1	MB2020	Medical Microbiology	15 credits

Notes

N/A

Option modules

Students MUST choose **ONE** module from BS2032 or BS2033

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2059	Global Change Biology and Conservation	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits
Semester 2	BS2066	Behavioural Neurobiology	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits
Semester 2	BS2091	From Genes to Proteins	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	15 credits	15 credits
Optional	n/a	30 credits	30 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	45 credits	15 credits
Optional	n/a	15 credits	45 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits

Delivery period	Code	Title	Credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits
Sem 2	MB3020	Advanced Topics in Medical Microbiology	15 credits

Notes

Students choose ONE project type from the above five options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Students ***MUST*** choose ***THREE*** or ***FOUR*** modules from *BS3015, BS3068, BS3011 and BS3013*

Delivery period	Code	Title	Credits
Semester 1	BS3000	Evolutionary Genetics	15 credits
Semester 1	BS3010	Gene Expression: Molecular Basis and Medical Relevance	15 credits

Delivery period	Code	Title	Credits
Semester 1	BS3015	Molecular and Cellular Immunology	15 credits
Semester 1	BS3031	Human Genetics	15 credits
Semester 1	BS3054	Molecular and Cellular Pharmacology	15 credits
Semester 1	BS3055	Molecular and Cellular Neuroscience	15 credits
Semester 1	BS3064	Comparative Neurobiology	15 credits
Semester 1	BS3068	Microbial Biotechnology	15 credits
Semester 1	BS3070	Structural Biology	15 credits
Semester 1	BS3078	Subtropical Physiology and Ecology	15 credits
Semester 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Medical Biosciences (Physiology) MBiolSci

Level 4/Year 1 2023/24

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS1030	The Molecules of Life – An Introduction to Biochemistry and Molecular Biology	30 credits
Sem 1	BS1040	The Cell – An Introduction to Microbiology and Cell Biology	30 credits
Sem 2	BS1050	From Individuals to Populations – An Introduction to Genetics	15 credits
Sem 2	BS1060	Multicellular Organisation – An Introduction to Physiology, Pharmacology and Neuroscience	30 credits
Sem 2	MB1080	An Introduction to Medical Bioscience	15 credits

Notes

N/A

Level 5/Year 2 2024/25

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	15 credits	15 credits
Optional	n/a	45 credits	45 credits

120 credits in total

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS2000	Research Topic	15 credits
Sem 2	MB2080	Pathophysiology of Disease	15 credits

Notes

N/A

Option modules

Students **MUST** choose **TWO** or **THREE** modules from BS2013, BS2015 and BS2014

Delivery period	Code	Title	Credits
Semester 1	BS2009	Genomes	15 credits
Semester 1	BS2013	Physiology and Pharmacology	15 credits
Semester 1	BS2015	Physiology of Excitable Cells	15 credits
Semester 1	BS2030	Principles of Microbiology	15 credits
Semester 1	BS2059	Global Change Biology and Conservation	15 credits
Semester 1	BS2092	Molecular and Cell Biology	15 credits
Semester 1	MB2020	Medical Microbiology	15 credits
Semester 2	BS2004	Contemporary Techniques in Biological Data Analysis	15 credits
Semester 2	BS2014	Exercise Physiology and Pharmacology	15 credits
Semester 2	BS2026	Genes, Development and Inheritance	15 credits
Semester 2	BS2032	Immunology and Eukaryotic Microbiology	15 credits
Semester 2	BS2033	Immunology and Eukaryotic Microbiology (with Science Enterprise Trip))	15 credits
Semester 2	BS2040	Bioinformatics	15 credits

Delivery period	Code	Title	Credits
Semester 2	BS2066	Behavioural Neurobiology	15 credits
Semester 2	BS2077	Neurobiology and Animal Behaviour	15 credits
Semester 2	BS2093	Protein Control in Cellular Regulation	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Level 6/Year 3 2025/26

Credit breakdown

Students taking an Experimental, Education or Field project:

Status	Year long	Semester 1	Semester 2
Core	30 credits	15 credits	15 credits
Optional	n/a	30 credits	30 credits

120 credits in total

Students taking an Analytical or Steered project:

Status	Year long	Semester 1	Semester 2
Core	n/a	30 credits	15 credits
Optional	n/a	30 credits	45 credits

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS3101	Experimental Research Project A AND	15 credits

Delivery period	Code	Title	Credits
Year long	BS3102	Experimental Research Project B OR	30 credits
Sem 1	BS3201	Analytical Research Project OR	30 credits
Sem 1	BS3301	Education Research Project A AND	15 credits
Year long	BS3302	Education Research Project B OR	30 credits
Sem 1	BS3401	Steered Experimental Research Project OR	30 credits
Sem 1	BS3501	Field Research Project A AND	15 credits
Year long	BS3102	Experimental Research Project B	30 credits
Sem 2	MB3057	Current and Future Therapeutics	15 credits

Notes

Students choose ONE project type from the above five options. Research projects are worth 30 or 45 credits in total depending on type.

Option modules

Students ***MUST*** choose ***THREE*** or ***FOUR*** modules from *BS3054, BS3055, BS3033 and BS3056*

Delivery period	Code	Title	Credits
Semester 1	BS3000	Evolutionary Genetics	15 credits
Semester 1	BS3010	Gene Expression: Molecular Basis and Medical Relevance	15 credits

Delivery period	Code	Title	Credits
Semester 1	BS3015	Molecular and Cellular Immunology	15 credits
Semester 1	BS3031	Human Genetics	15 credits
Semester 1	BS3054	Molecular and Cellular Pharmacology	15 credits
Semester 1	BS3055	Molecular and Cellular Neuroscience	15 credits
Semester 1	BS3064	Comparative Neurobiology	15 credits
Semester 1	BS3068	Microbial Biotechnology	15 credits
Semester 1	BS3070	Structural Biology	15 credits
Semester 1	BS3078	Subtropical Physiology and Ecology	15 credits
Semester 1	NT3100	Sustainability Enterprise Partnership Project	15 credits
Semester 2	BS3003	Cancer Cell and Molecular Biology	15 credits
Semester 2	BS3011	Microbial Pathogenesis and Genomics	15 credits
Semester 2	BS3013	Human and Environmental Microbiomics	15 credits
Semester 2	BS3016	Neuroscience Futures	15 credits
Semester 2	BS3033	Physiology, Pharmacology and Behaviour	15 credits
Semester 2	BS3056	Cellular Physiology of the Cardiovascular System	15 credits
Semester 2	BS3073	Conservation and Ecological Genetics	15 credits
Semester 2	BS3080	Behavioural Ecology	15 credits
Semester 2	NT3200	Sustainability Enterprise Partnership Project	15 credits

Notes

This is an indicative list of option modules and not definitive of what will be available. Option module choice is also subject to availability, timetabling, student number restrictions and, where appropriate, students having taken appropriate pre-requisite modules.

Appendix 1b: Routes through the MBiolSci fourth year at Level 7

Fourth year programmes can only be taken in single 120 credit blocks as follows.

There are six year 4 options available. Students will make decisions based on their interests and background in consultation with their Personal Tutor and the Programme Directors.

OPTION ONE Level 7/Year 4 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS4001	Introduction to Molecular Techniques	15 credits
Sem 1	BS4002	Research Methods in Cell Biology	15 credits
Sem 1	BS4003	Research Methods in Cancer Biology	15 credits
Sem 1	BS4004	Advanced Topics in Cancer Biology	15 credits
Sem 2	BS4006	MBiolSci Research Project (Cancer Cell and Molecular Biology)	60 credits

OPTION TWO Level 7/Year 4 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS4211	Introduction to techniques in molecular genetics and data analysis	30 credits
Sem 1	BS4212	Experimental design and applications of molecular genetic techniques in research	30 credits
Sem 2	BS4205	MBiolSci Research Project (Molecular Genetics)	60 credits

OPTION THREE Level 7/Year 4 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	45 credits	75 credits
Optional	n/a	n/a	n/a

Core modules

N.B. To balance credits, for BS4404 the project submission deadline is a month later than the deadline for project modules in other MBiolSci options.

Delivery period	Code	Title	Credits
Sem 1	BS4401	Molecular Pathology and Cell Biology of Cancer	30 credits
Sem 1	BS4402	Molecular Methods and Experimental Design	15 credits
Sem 2	BS4403	Cancer Therapeutics	15 credits
Sem 2	BS4404	MBiolSci Research Project (Cancer Molecular Pathology and Therapeutics)	60 credits

OPTION FOUR Level 7/Year 4 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits

Status	Year long	Semester 1	Semester 2
Optional	n/a	n/a	n/a

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS4308	Theory and Techniques in Infection and Immunity	30 credits
Sem 1	BS4309	Infection and Immunity	30 credits
Sem 2	BS4307	MBiolSci Research Project (Infection and Immunity)	60 credits

OPTION FIVE Level 7/Year 4 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS4601	Advanced research methods	30 credits
Sem 1	BS4602	Professional skills	30 credits
Sem 2	BS4603	MBiolSci Research Project (Neuroscience)	60 credits

OPTION SIX Level 7/Year 4 2026/27

Credit breakdown

Status	Year long	Semester 1	Semester 2
Core	n/a	60 credits	60 credits
Optional	n/a	n/a	n/a

Core modules

Delivery period	Code	Title	Credits
Sem 1	BS4101	Gene and Genome Analysis	15 credits
Sem 1	BS4102	Proteins	15 credits
Sem 1	BS4105	Bioinformatics Programming and Advanced Topics in Bioinformatics	30 credits
Sem 2	BS4130	MBiolSci Research Project (Bioinformatics)	60 credits

Appendix 2: Module specifications

See undergraduate [module specification database](#) (Note - modules are organized by year of delivery).

Appendix 3: Skills matrix