Course Information Document: Post Graduate Taught

For Academic Year 2025/26

1. Course Summary

Names of programme and award title(s)	Master in Microbiology and Immunology (MSci) Master in Microbiology and Immunology (MSci) with International Year (see Annex for details) Master in Microbiology and Immunology (MSci) with Work Placement Year (see Annex for details)
Award type	Single Honours (Masters)
Mode of study	Full-time
Framework of Higher Education Qualification (FHEQ) level of final award	Level 7
Normal length of the programme	4 years; 5 years with either the International Year or Placement Year between years 2 and 3
Maximum period of registration	The normal length as specified above plus 3 years
Location of study	Keele Campus
Accreditation (if applicable)	Not applicable
Regulator	Office for Students (OfS)
Tuition Fees	**UK students:** Fee for 2025/26 is £9,535* **International students:** Fee for 2025/26 is £17,700** The fee for the international year abroad is calculated at 15% of the standard year fee The fee for the work placement year is calculated at 20% of the standard year fee

How this information might change: *Please read the important information at http://www.keele.ac.uk/student-agreement/. This explains how and why we may need to make changes to the information provided in this document and to help you understand how we will communicate with you if this happens.*

** These fees are regulated by Government. We reserve the right to increase fees in subsequent years of study in response to changes in government policy and/or changes to the law. If permitted by such change in policy or law, we may increase your fees by an inflationary amount or such other measure as required by government policy or the law. Please refer to the accompanying Student Terms & Conditions. Further information on fees can be found at http://www.keele.ac.uk/studentfunding/tuitionfees/*

*** These fees are for new students. We reserve the right to increase fees in subsequent years of study by an inflationary amount. Please refer to the accompanying Student Terms & Conditions for full details. Further information on fees can be foundat http://www.keele.ac.uk/studentfunding/tuitionfees/*

2. Overview of the Programme

This programme is designed to provide you with a strong grounding in the key principles of microbiology and immunology, enabling a broad and varied coverage of modern biological sciences. You will investigate some of the most exciting areas of current life sciences research, developing a deeper understanding of core molecular biology, biological processes, and host-pathogen interactions. The Microbiology and Immunology programme will introduce you to the biology, biochemistry and physiology of viruses and microorganisms including bacteria, fungi, and parasites, together with the role of the immune system in defending the body against infection from pathogens. The MSci fourth year of study is designed to enable you to enhance your employability and subject-specific knowledge through development of advanced problem solving and communication skills. You will develop enhanced research skills in the critical evaluation of scientific literature and in the design and conduct of an authentic research study.

In microbiology there is a particular emphasis on host-pathogen interactions, the diseases these can cause, the development of novel diagnostic and therapeutic approaches, as well as their wider application in biotechnology and their critical roles in global ecosystems, including interactions within key plant and animal hosts.Immunology explores the enormous diversity of the human immune system, and how such knowledge is essential in the development of new biotechnological approaches to disease treatment and prevention, such as vaccines. You will also explore how the extraordinary specificity of components of the immune system, such as antibodies, can be exploited in development of targeted molecular therapies in diseases including cancer. Knowledge of the development and function of different components of the immune response is also essential in our understanding of autoimmune disease and other disorders of the immune system, such as immunodeficiency.

During the programme you will receive research training in experimental design, practical techniques, and data analysis. The core laboratory programme delivered in our state-of-the-art David Attenborough and Central Science Laboratories enables development of hands-on practical skills within modern research techniques. This will culminate in the opportunity to undertake a final year research project (laboratory or computer based) under expert guidance of our teaching and research staff. You will also present the outcomes of your final year research project at our Undergraduate Student Research Conference in the context of a realistic research conference experience. Throughout the course we will equip you with employability skills enabling you to explore the wide variety of options available to you. There will also be the option to engage in deeper experiential learning opportunities through undertaking a Work Placement year between level 5 and level 6, or as shorter placement options alongside your studies, or to include study abroad either as a semester abroad at level 5 or an International Year between level 5 and level 6.

An experiential period of professional practice immersed in research culture during the MSci fourth year extended research project, will support you in developing higher-level independent technical and analytical skills through hypothesis-driven enquiry, supported by your academic supervisor and wider research team. The skills and attributes developed here will be of particular value for those looking to continue in a research career, such as further study to PhD level, working in industry or wider bioscience sector. These may be in academic research at the cutting edge of new discoveries, in industry roles exploring the commercial application of biological technology, such as pharmaceutical development or within healthcare industries, such as in medicine, nursing or public health policy and regulation.

3. Aims of the programme

The broad aims of the programme are to enable you to:

- provide you with core knowledge, understanding and skills relevant to the study of Microbiology and Immunology;
- produce skilled and motivated graduates who are suitably prepared for further study or for employment within or outside their field;
- cultivate interest in the biosciences, particularly in context to research and development in Microbiology and Immunology, within a caring and intellectually stimulating environment;
- promote the development of a range of employability skills, for use in all areas where numeracy and an objective, scientific approach to problem-solving are valued;
- promote the development of independent research skills to an advanced level in the acquisition and analysis of scientific data and the critical evaluation of scientific literature, to show originality in the application of knowledge;
- enable you to specialise in Microbiology and Immunology to a masters level through a four year integrated Masters programme, developing key skills and programme outcomes to an advanced level.

4. What you will learn

The intended learning outcomes of the programme (what students should know, understand and be able to do at the end of the programme), can be described under the following headings:

- Subject knowledge and understanding
- Subject specific skills
- Key or transferable skills (including employability skills)

Subject knowledge and understanding

Successful students will be able to demonstrate knowledge and understanding of:

- core biological topics that underpin the study of microbiology and immunology including: anatomy, molecular biology; molecular genetics; biochemistry; macromolecular structure and function; enzymes, catalysis and metabolism; cell biology; cell signalling; membranes and transport; human physiology and pathology
- the structure, physiology and biochemistry of bacteria, viruses, fungi and parasites, their identification and classification, interactions with their host and their environment in global ecosystems
- the molecular basis of genetics and gene expression, including the structure, arrangement, expression, and regulation of genes, in application to the diversity of microorganisms and viruses, and the generation and selection of diversity in the immune system
- the development, function and disorders of the innate and adaptive immune system, the structural basis for pathogen recognition and key effector functions, in context to infectious and inflammatory disease he development and application of existing, novel and emerging diagnostics and therapeutics in the prevention and/or treatment of infectious disease, disorders of the immune system and other conditions
- experimental methods for the investigation of relevant areas of microbiology, immunology and molecular biology, including the scientific method, hypothesis-driven investigation and the critical nature of evidence and scientific debate
- current developments in microbiology and immunology, including areas of ethical or public concern

In addition to those outcomes listed above, which are developed across levels 4-7 as appropriate, MSci Microbiology and Immunology students will also be able to demonstrate advanced knowledge and understanding of:

- the principles and applications of cutting-edge research methodologies and techniques in the study of Microbiology, Immunology and wider Biosciences to an advanced level
- the context of their extended research project in relation to on-going research activity in their field of study and the wider biosciences

Subject specific skills

Successful students will be able to:

- critically evaluate scientific literature to an advanced level with a full and critical understanding, while addressing such questions as content, context, aims, objectives, quality of information, and its interpretation and application
- demonstrate competence in a range of core and advanced laboratory techniques and employ a variety of methods (including computational studies related to bioinformatics and the use of small molecule and macromolecular databases) in investigating, acquiring, recording and analysing information relevant to biochemistry and molecular biology
- design, conduct, analyse, report and evaluate biochemical experiments, with critical appraisal of the validity, accuracy, calibration, precision and reproducibility of results and disseminate outcomes in a variety of formats
- critically evaluate complex methodologies and research techniques to an advanced level in areas of contemporary Microbiology and Immunology
- work safely and responsibly in the laboratory with awareness of standard procedures such as risk assessment, COSHH, and relevant health and safety regulations
- recognise philosophical and ethical issues relevant to the subject, including those relating to animal welfare and procedures for obtaining informed consent
- apply scientific method, planning and analytical skills to carry out an enquiry based, authentic research project with critical appraisal of research impact
- apply biological understanding to familiar and unfamiliar problems
- develop an understanding of the processes involved in research dissemination and the acquisition of research funding

Key or transferable skills (including employability skills)

Successful students will be able to:

- develop an adaptable, flexible, sustainable and effective approach to learning and study, including time management, creativity and intellectual integrity
- acquire, analyse, synthesise, summarise and present information and ideas from a wide range of sources: textual, numerical, verbal, graphical
- prepare, process, interpret and present data, using appropriate qualitative and quantitative techniques,

statistical programmes, spreadsheets and programs for acquiring and presenting data visually to an advanced level
- use a range of digital resources effectively and critically as a means of communication and a source of information
- cite and reference work in an appropriate manner, ensuring academic integrity
- communicate effectively to a variety of audiences by written, spoken and graphical means using appropriate techniques and scientific language
- develop skills necessary for self-managed and lifelong learning, including working independently, organisational, enterprise and knowledge transfer skills
- work with others to identify and achieve collaborative goals and responsibilities and perform in a respectful manner that is accepting of the viewpoints and opinions of others
- motivate themselves and sustain that motivation over an extended period of time
- identify and work towards targets for personal, academic and career development

Keele Graduate Attributes

The Keele Graduate Attributes are the qualities (skills, values and mindsets) which you will have the opportunity to develop during your time at Keele through both the formal curriculum and also through co- and extra-curricular activities (e.g., work experience, and engagement with the wider University community such as acting as ambassadors, volunteering, peer mentoring, student representation, membership and leadership of clubs and societies). Our Graduate Attributes consist of four themes: **academic expertise, professional skills, personal effectiveness, and social and ethical responsibility.** You will have opportunities to engage actively with the range of attributes throughout your time at Keele: through your academic studies, through self-assessing your own strengths, weaknesses, and development needs, and by setting personal development goals. You will have opportunities to discuss your progress in developing graduate attributes with, for example, Academic Mentors, to prepare for your future career and lives beyond Keele.

5. How is the programme taught?

Learning and teaching methods used on the programme vary according to the subject matter and level of the module. They include the following:

- **Digital material:** Traditional 'lectures' are often redesigned for online consumption, giving you more flexibility to decide how, when and where to study. This can include provision of short videos, directed reading, key learning outcomes and Forms that allow you to ask questions anonymously.
- **Campus-based tutorials and workshops.** Often designed to support online lectures. Tutorials and workshops help promote social learning, develop a sense of community and give you an opportunity to deepen your understanding of core issues, ask questions, reflect on your own learning, and discuss content with other students and your tutors. Other workshops will also support data analysis and report writing, including IT literacy, as well as supporting you in develop skills in computational and bioinformatic analysis.
- **Laboratory practicals.** A comprehensive laboratory programme covering a diverse range of modern biochemical and molecular techniques designed to train you in the skills needed for a career in microbiology and immunology. The programme will also develop skills in experimental design through enquiry-based learning and will ensure you develop both independent and team-based skills.
- **Case-based learning (CBL) tutorials.** Students are expected to play a full part and, often, to lead these discussions. In particular, case-based learning (CBL) is a student-centred style, based on case studies that help you contextualise content taught across others modules, and is incorporated into two core modules. These sessions will also develop skills such as leadership, communication and evidence based problem solving.
- **Live, online tutorials, workshops and drop-in sessions.** Often used to host plenary sessions. These plenary sessions are optional, added value and may cover topics common to all students such as: note taking and meet your alumni at Level 4; IT and data analysis at Level 5 and writing retreats and careers at Level 6.
- **Independent study.** Based on directed reading from text books, research papers and research reviews to support your learning of the core material and deepen your understanding of the subject.
- **Life Sciences Double Experimental Project (with research skills assessment)** gives you the opportunity to undertake a piece of independent experimental research supervised and supported by a member of staff.
- **MSci study at level 7.** This will further develop your research skills in the critical evaluation of scientific literature and an extended research project will give you the opportunity to design and conduct an in-depth research project in an area of Microbiology and/or Immunology, including formulating a complete research strategy and producing a grant proposal. Research skills in these areas will also be developed in a series of research seminars and journal club-style presentations/discussion in an Advanced Research Techniques module.

Apart from these formal activities, students are also provided with regular opportunities to talk through particular areas of difficulty, and any special learning needs they may have, with their Academic Mentor or module lecturers on a one-to-one basis.

6. Teaching Staff

University life is not just about the content of your degree. It is also an opportunity to network, to speak to people working in fields that excite you. Here in Life Sciences, you will meet a diverse range of staff that you can see by using the following link: https://www.keele.ac.uk/lifesci/ourpeople/.

We also invite speakers from the School of Pharmacy and Bioengineering, School of Medicine and the NHS to enrich your learning.

Our staff include world-leading researchers, clinical practitioners and experts in learning and teaching. As part of their training, all staff complete post-graduate courses on learning and teaching. Some take this to Masters level and beyond, choosing to specialise in pedagogic research to ensure that our programmes are taught to the very highest standards. Members of the School of Life Sciences hold recognised or accredited teaching qualifications, and the majority are Fellows or Associates of the Higher Education Academy (HEA), whilst a number are Senior Fellows of the HEA. Several Life Sciences' staff members have been awarded Keele's prestigious Excellence in Teaching and Learning awards and several were awarded a KeeleSU Education Award for academic mentoring.

The University will attempt to minimise changes to our core teaching teams, however, delivery of the programme depends on having a sufficient number of staff with the relevant expertise to ensure that the programme is taught to the appropriate academic standard.

Staff turnover, for example where key members of staff leave, fall ill or go on research leave, may result in changes to the programme's content. The University will endeavour to ensure that any impact on students is limited if such changes occur.

7. What is the structure of the programme?

The academic year runs from September to June and is divided into two semesters. The number of weeks of teaching will vary from course to course, but you can generally expect to attend scheduled teaching sessions between the end of September and mid- December, and from mid-January to the end of April. Our degree courses are organised into modules. Each module is usually a self- contained unit of study and each is usually assessed separately with the award of credits on the basis of 1 credit = 10 hours of student effort. An outline of the structure of the programme is provided in the tables below.

There are three types of module delivered as part of your programme. They are:

- Compulsory modules - a module that you are required to study on this course;
- Optional modules - these allow you some limited choice of what to study from a list of modules.

At Level 4, we have consolidated all of your modules into four, compulsory 30-credit modules. This will provide a solid foundation to your degree, regardless of your academic background. We assume no prior knowledge and will make sure that Level 4 gives you the skills needed to succeed at Levels 5 and 6.

Levels 5 and 6 include optional module choices allowing you to more flexibility to tailor your degree as you progress through it.

Global Challenge Pathways

This programme includes the option for you to take a Global Challenge Pathway. These modules offer you an exciting opportunity to work with students and staff from different disciplines to explore topical global issues such as power and conflict, health inequalities, climate change, generative AI, social justice, global citizenship, and enterprise from different perspectives.

Global Challenge Pathways can be taken as one 15-credit module at Levels 5 and 6. For more information about our Global Challenge Pathways please visit:
https://www.keele.ac.uk/study/undergraduate/globalchallengepathways/

Modern Languages or Certificate in TESOL

Alternatively, you could choose to study modules with the University Language Centre. The Language Centre offers three pathways; The Language Specialist, The Language Taster, and The Trinity Certificate in Teaching English to Speakers of Other Language (TESOL). Language Centre modules are available separately for students at Level 4. At Levels 5 and 6 they are included within the Global Challenge Pathways.

If you choose the Language Specialist pathway, you will automatically be enrolled on a Semester 2 Modern Language module as a continuation of your language of choice as a faculty funded 'additional' module. Undertaking a Modern Languages module in Semester 2 is compulsory if you wish to continue to the Language Specialist Global Challenge Pathway the following academic year.

For more information about Language Centre option modules available to you please visit the following

webpages.

For new (Level 4) students please visit: https://www.keele.ac.uk/study/languagecentre/

For current (Level 5 and Level 6) students please visit: https://www.keele.ac.uk/students/academiclife/global-challenge-pathways/

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For further information on the content of modules currently offered, please visit: https://www.keele.ac.uk/recordsandexams/modulecatalogue/

A summary of the credit requirements per year is as follows.

Year	Compulsory	Optional	
		Min	Max
Level 4	120	0	0
Level 5	105	15	15
Level 6	90	30	30
Level 7	120	0	0

Module Lists

Level 4

Compulsory modules	Module Code	Credits	Period
Molecules for Life	LSC-10097	30	Semester 1
Human Physiology and Anatomy	LSC-10101	30	Semester 1-2
Practical and Academic Skills in Bioscience	LSC-10103	0	Semester 1-2
Microbes: the immune system and the environment	LSC-10109	30	Semester 1-2
Molecular Cell Biology	LSC-10066	30	Semester 2

Level 4 Module Rules

LSC-10103 *Practical and Academic Skills in Bioscience* is a compulsory zero-credit module. All laboratory work across this Level of study will be coordinated through this module and assessed within other credit-bearing modules across the year, where appropriate. This module will also develop wider academic skills and includes additional academic support and development material to enhance your overall student experience and develop key employability skills. The module will be passed via attendance to a minimum threshold of 70% of core sessions and successful completion of practical skills assessment (OSPE).

Level 5

Compulsory modules	Module Code	Credits	Period
Molecular, Cellular and Structural Immunology	LSC-20015	15	Semester 1
Microbes, Viruses and Parasites	LSC-20073	15	Semester 1
Applications of Molecular Biology	LSC-20131	15	Semester 1
Practical and Professional Skills in Bioscience	LSC-20127	0	Semester 1-2
Research and Analytical Skills	LSC-20056	15	Semester 2
Cell Signalling	LSC-20085	15	Semester 2
Defence and Disease	LSC-20111	30	Semester 2

Optional modules	Module Code	Credits	Period
Human Genetics	LSC-20050	15	Semester 1
Flexible Work Placement (Level 5)	NAT-20011	15	Semester 1-2

Level 5 Module Rules

LSC-20127 *Practical and Professional Skills in Bioscience* is a compulsory zero-credit module. All laboratory work across this Level of study will be coordinated through this module and assessed within other credit-bearing modules across the year, where appropriate. This module will also develop advanced academic skills in literature searching and analysis and includes additional career development workshops, enhancing your overall student experience and developing key employability skills.. The module will be passed via attendance to a minimum threshold of 70% of core sessions and successful completion of practical skills assessment (OSPE).

Please note: You cannot take both Flexible Work Placement (Level 5) and Flexible Work Placement (Level 6)

Level 6

Compulsory modules	Module Code	Credits	Period
Human Parasitology	LSC-30036	15	Semester 1
Professional Development	LSC-30090	0	Semester 1-2
Research Project	LSC-30102	30	Semester 1-2
Employability and Communication Skills in Bioscience	LSC-30106	15	Semester 1-2
Case Studies in Microbiology and Immunology	LSC-30078	15	Semester 2
VIrology	LSC-30108	15	Semester 2

Optional modules	Module Code	Credits	Period
Tropical Biology Field Course	LSC-30066	15	Semester 1
Omics Technologies	LSC-30092	15	Semester 1
Structural Immunology	LSC-30110	15	Semester 1
Flexible Work Placement (Level 6)	NAT-30008	15	Semester 1-2
Professional Experience in Education	NAT-30012	15	Semester 1-2
Cancer Biology	LSC-30061	15	Semester 2
Epidemiology	LSC-30084	15	Semester 2

Level 6 Module Rules

Please note: You cannot take both Flexible Work Placement (Level 5) and Flexible Work Placement (Level 6). You also cannot take both Flexible Work Placement (Level 6) and Professional Experience in Education.

Level 7

Compulsory modules	Module Code	Credits	Period
Literature Review and Grant Proposal	LSC-40065	30	Semester 1
Advanced Research Topics in Microbiology and Immunology	LSC-40073	30	Semester 1
MSci Extended Research Project	LSC-40063	60	Semester 1-2

8. Final and intermediate awards

Credits required for each level of academic award are as follows:

Master's Degree **Master in Microbiology and Immunology (MSci)**	480 credits	You will require at least 120 credits at levels 4, 5, 6 and 7 You must accumulate at least 360 credits in your main subject (out of 480 credits overall) to graduate with a named single honours degree in this subject.
Honours Degree **BSc (Hons) Microbiology and Immunology**	360 credits	You will require at least 120 credits at levels 4, 5 and 6 You must accumulate at least 270 credits in your main subject (out of 360 credits overall), with at least 90 credits in each of the three years of study, to graduate with a named single honours degree in this subject
Diploma in Higher Education	240 credits	You will require at least 120 credits at level 4 or higher and at least 120 credits at level 5 or higher
Certificate in Higher Education	120 credits	You will require at least 120 credits at level 4 or higher

International Year option: in addition to the above students must pass a module covering the international year in order to graduate with a named degree including the 'international year' wording. Students who do not complete, or fail the international year, will be transferred to the four-year version of the MSci programme.

Work Placement Year option: in addition to the above students must pass a non-credit bearing module covering the work placement year in order to graduate with a named degree including the 'with Work Placement Year' wording. Students who do not complete, or fail the work placement year, will be transferred to the four-year version of the MSci programme.

9. How is the Programme Assessed?

The wide variety of assessment methods used on this programme at Keele reflects the broad range of knowledge and skills that are developed as you progress through the degree programme. Teaching staff pay particular attention to specifying clear assessment criteria and providing timely, regular and constructive feedback that helps to clarify things you did not understand and helps you to improve your performance. The following list is representative of the variety of assessment methods used on your programme:

- **Provide evidence-based solutions to current scientific problems**. Most often this is assessed through a range of essays, portfolios and literature reviews.
- **Present scientific findings.** Often these are lab reports or experimental projects that test your ability to pose scientific hypotheses, design experiments, understand methodologies, present findings, analyse data and situate your work in the current literature. Other assessments will also develop your skills in accessing, manipulating and presenting the outcomes of computational investigations, including in bioinformatics/phylogeny.
- **Communicate effectively with a range of audiences.** These can include scientific posters, patient information leaflets, wikis, blogs or oral presentations, as well as more standard laboratory reports, proformas and literature reviews.
- **Work professionally. Your final year,** independent research project and MSci extended research project will give you an opportunity to demonstrate a range of professional skills such as leadership, innovation, time keeping, communication and the ability to work safely and ethically.
- **Work effectively in a team.** Most often this is assessed through group presentations but can also include competencies such as working together in the lab or other group assignments
- **Solve problems in a time-limited fashion.** Often in the work environment we are asked to solve problems in a relatively short amount of time. Our online tests and end-of-semester, online, open-book examinations will help you to evidence these skills.

Marks are awarded for summative assessments designed to assess your achievement of learning outcomes. You will also be assessed formatively to enable you to monitor your own progress and to assist staff in identifying and addressing any specific learning needs. Feedback, including guidance on how you can improve the quality of your work, is also provided on all summative assessments within three working weeks of submission, unless there are compelling circumstances that make this impossible, and more informally in the course of tutorial and seminar discussions.

10. Contact Time and Expected Workload

This contact time measure is intended to provide you with an indication of the type of activity you are likely to undertake during this programme. The data is compiled based on module choices and learning patterns of students on similar programmes in previous years. Every effort is made to ensure this data is a realistic representation of what you are likely to experience, but changes to programmes, teaching methods and assessment methods mean this data is representative and not specific.

Undergraduate courses at Keele contain an element of module choice; therefore, individual students will experience a different mix of contact time and assessment types dependent upon their own individual choice of modules. The figures below are an example of activities that a student may expect on your chosen course by year stage of study. Contact time includes scheduled activities such as: lecture, seminar, tutorial, project supervision, demonstration, practical classes and labs, supervised time in labs/workshop, fieldwork and external visits. The figures are based on 1,200 hours of student effort each year for full-time students.

Activity

	Scheduled learning and teaching activities	Guided independent Study	Placements
Year 1 (Level 4)	32.8%	67.2%	0%
Year 2 (Level 5)	34.8%	65.2%	0%
Year 3 (Level 6)	9%	91%	0%
Year 4 (Level 7)	5%	95%	0%

11. Accreditation

Accreditation will be sought through the Royal Society of Biology (RSB) before graduation of the first Programme cohort.

12. Learning Resources

Workshops and tutorials are delivered in modern teaching rooms across the University, including up-to-date PC suites for data analysis and bioinformatics workshops.

Practical sessions are held in dedicated teaching laboratories within the School of Life Sciences, over recent years these have been completely refitted, providing modern and well-equipped facilities supporting delivery of a diverse practical programmes (including the David Attenborough laboratories, opened in person by Sir David in 2019). Some sessions are also delivered in our new state-of-the-art Central Science Laboratories, which also provides extensive PC suite capacity for supporting workshops and student self-study.

The learning resources available to you on the Programme include:

- An extensive collection of books and journals held in the University Library on campus, or the health library situated at the University Hospital of North Staffordshire.
- Access to a comprehensive range of ebooks, journals and published papers all available online
- The Keele Learning Environment (KLE) which provides easy access to a wide range of learning resources including lecture materials and other guidance/supporting resources, and Microsoft Teams for further content development and to facilitate live and interactive discussions.
- Additional academic skills resources, workshops and drop-in sessions available through the Keele Institute for Innovation and Teaching Excellence.

13. Other Learning Opportunities

Study abroad (semester)

Students on the programme have the potential opportunity to spend a semester abroad in their second year studying at one of Keele's international partner universities.

Exactly which countries are available depends on the student's choice of degree subjects. An indicative list of countries is on the website (http://www.keele.ac.uk/studyabroad/partneruniversities/); however this does not guarantee the availability of study in a specific country as this is subject to the University's application process for studying abroad.

No additional tuition fees are payable for a single semester studying abroad but students do have to bear the costs of travelling to and from their destination university, accommodation, food and personal costs. Depending on the destination they are studying at additional costs may include visas, study permits, residence permits, and compulsory health checks. Students should expect the total costs of studying abroad to be greater than if they study in the UK, information is made available from the Global Education Team throughout the process, as costs will vary depending on destination.

Whilst students are studying abroad any Student Finance eligibility will continue, where applicable students may be eligible for specific travel or disability grants. Students studying in Erasmus+ destinations may be eligible for grants as part of this programme. Students studying outside of this programme may be eligible for income dependent bursaries at Keele. Students travel on a comprehensive Keele University insurance plan, for which

there are currently no additional charges. Some governments and/or universities require additional compulsory health coverage plans; costs for this will be advised during the application process.

Study Abroad (International Year)

A summary of the International Year, which is a potential option for students after completion of year 2 (Level 5), is provided in the Annex for the International Year.

Work Placement Year

Students have the opportunity to apply directly for the 4-year 'with Work Placement Year' degree programme or to transfer onto the 4-year degree programme at the end of Year-1 and in Year-2 at the end of Semester 1. Students who are initially registered for the 4-year degree programme may transfer onto the 3-year degree programme at any point in time, prior to undertaking their year-long placement. Eligibility rules are included in the Annex.

Students wishing to take the work placement year should meet with the Programme Director to obtain their signature to confirm agreement before they will be allowed to commence their placement.

International students who require a Tier 4 visa must check with the Immigration Compliance Team prior to commencing any form of placement.

A summary of the Work Placement Year, which is a potential option for students after completion of year 2 (Level 5), is provided in the Annex for the Work Placement Year.

14. Annex - Programme-specific regulations

Programme Regulations: MSci Microbiology and Immunology

Final Award and Award Titles	MSci Microbiology and Immunology MSci Microbiology and Immunology with International Year MSci Microbiology and Immunology with Work Placement Year
Intermediate Award(s)	BSc (Hons) Microbiology and Immunology Diploma in Higher Education Certificate in Higher Education
Last modified	June 2022
Programme Specification	https://www.keele.ac.uk/qa/programmespecifications

The University's Academic Regulations which can be found on the Keele University website (https://www.keele.ac.uk/regulations/)[1] apply to and regulate the programme, other than in instances where the specific programme regulations listed below over-ride them. These programme regulations list:

- *Exemptions* which are characterised by the omission of the relevant regulation.
- *Variations* which are characterised by the replacement of part of the regulation with alternative wording.
- *Additional Requirements* which set out what additional rules that apply to students in relation to this programme.

The following **exemptions, variations** and **additional requirements** to the University regulations have been checked by Academic Services and have been approved by the Faculty Education Committee.

A) EXEMPTIONS

The clause(s) listed below describe where an exemption from the University's Academic Regulations exists:

For the whole duration of their studies, students on this Programme are exempt from the following regulations:

- **No exemptions apply.**

B) VARIATIONS

The clause(s) listed below describe where a variation from the University's Academic Regulations exists:

Variation 1: No variations apply

Additional Requirements

The programme requirements listed below are in addition to the University's Academic Regulations:

Additional requirement 1: Laboratory, lecture and tutorial classes

1.1 Wearing a laboratory coat is compulsory in all classes held in laboratories. Students will not be allowed to attend the laboratory class without a laboratory coat.

1.2 Students must wear appropriate clothing in the laboratories, including sensible footwear. Closed shoes and low heels should be worn. This is to avoid tripping and to protect the feet in the case of spillages. Long hair must be tied back. Students who are inappropriately dressed may, at the discretion of the member of staff in charge, be excluded from the class and recorded as being absent without good cause.

1.3 Students who arrive late to laboratory classes will be unable to take part in the class and recorded as being absent without good cause.

1.4 Students who display serious misconduct in any class may, at the discretion of the member of staff in charge, be excluded from the class and recorded as being absent without good cause. Serious misconduct involves wilful damage to property, injury or threat to persons, or persistent disruption of teaching.

1.5 The unauthorised use of mobile phones or headphones is not permitted in any class.

1.6 Students are not permitted to record, video or photograph taught sessions or meetings with staff, except with the permission in advance of the staff concerned. Permission will be given where this is part of an approved disability adjustment. Any permission to record, video or photograph is for personal use only and all recordings, videos or photographs remain the property of the presenter and Keele University.

1.7 Students are required to read and follow the procedures in the School of Life Sciences Safety Handbook, which is available from the Life Science Noticeboard on the KLE.

Additional requirement 2: Work Placements, Exchange Periods and Study Abroad

2.1 A student who has completed a semester abroad will not normally be eligible to transfer onto the International Year option.

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[1] References to University Regulations in this document apply to the content of the University's Regulatory Framework as set out on the University website here https://www.keele.ac.uk/regulations/.

Version History

This document

Date Approved: 08 July 2025

What's Changed

Compulsory module change: LSC-20107 replaced with LSC-20127.

Previous documents

Version No	Year	Owner	Date Approved	Summary of and rationale for changes
1	2025/26	JENNIFER MORAN	28 March 2025	
1	2024/25	JENNIFER MORAN	14 June 2024	
1	2023/24	DAVID WATSON	08 February 2023	