

MSc Microbiology and Infection with Integrated pre-Masters

This two year course is suitable for students who do not meet the entry requirements for the one year MSc course.

On successful completion of the Pre-Masters year you will progress to an MSc Microbiology and Infection programme in the Department of Biosciences.

MSc Microbiology and Infection

This MSc programme is built on the combined expertise in microbiology and infection that has been assembled through the establishment of the Institute of Microbiology and Infection at Birmingham. It draws on the internationally recognized expertise of members of both the College of Life and Environmental Sciences and College of Medical and Dental Sciences to provide a course that will be attractive to aspiring biomedical scientists and clinical microbiologists worldwide.

Students graduating from this course can look forward to gaining a thorough grounding in this important area, with job opportunities throughout the public and private sector, as well as in research settings.

Pre-Masters

One third of your pre-Masters year will be spent developing your English skills and academic skills; allowing you to approach academic reading and writing with confidence. You will also develop practical, analytical and numeracy skills in your Biosciences modules.

Aimed at highly motivated international learners with an excellent academic record, the pre-Masters year is designed to bridge the gap between your current qualification and the postgraduate programme at Birmingham. You will develop both subject specific knowledge and skills in the area of molecular biology and microbiology.

[Study here and find out why the University of Birmingham was awarded The Times and The Sunday Times University of the Year 2013-14 \(http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx\)](http://www.birmingham.ac.uk/news/latest/2013/09/20-sep-Birmingham-announced-as-University-of-the-Year.aspx)

Course fact file

Type of Course: Taught

Study Options: Full time

Duration: 2 years

Start date: October 2015

Contact

If you have any questions, please contact us at:

Email: premasters@contacts.bham.ac.uk (<mailto:premasters@contacts.bham.ac.uk>)

Tel: +44 (0)121 414 2894

Details

You will take Biosciences modules including: Skills for Biosciences, Molecular Biology and its Applications, Microbes and Man and an optional module. These modules will ensure that you have the knowledge base that you need to succeed on the MSc Molecular Biotechnology or MSc Microbiology and Infection. Studying alongside undergraduate students will fully prepare for the demands of a UK postgraduate course, as well as allowing you to adjust to UK assessment styles.

One third of your pre-Masters year will be spent developing your English skills and academic skills; allowing you to approach academic reading and writing with confidence. You will also develop practical, analytical and numeracy skills in your Biosciences modules.

Modules

Compulsory Modules	Credits
Academic English & Study Skills 1	20 credits
Academic English & Study Skills 2	20 credits
Molecular Biology and its Applications	10 credits
Genetics 2	20 credits
Skills for Biosciences	10 credits
Microbes and Man	20 credits

Optional (one module from the following):

Molecular Basis of Bacterial Infection	20 credits
Structures of Destruction	20 credits
Bacterial Gene Regulation	20 credits
Eukaryotic Gene Expression	20 credits
Cancer Biology	20 credits
Molecular and Cellular Immunology	20 credits

Fees and funding

A tuition fee of **£12,565** will be payable for year one of the International pre-Masters programme for 2014–2015.

Fees for the second year will be the standard fees payable for the chosen masters programme. Details of fees for master courses can be found [here \(/postgraduate/pgt-fees/index.aspx\)](#)

Entry requirements

International pre-Masters programmes entry requirements apply

Further details can be found on the International pre-Masters [entry requirements page \(/International/pre-masters/entry-requirements.aspx\)](#)

How to apply

When clicking on the Apply Now button you will be directed to an application specifically designed for the programme you wish to apply for where you will create an account with the University application system and submit your application and supporting documents online. Further information regarding how to apply online can be found on the [How to apply pages \(http://www.birmingham.ac.uk/students/courses/postgraduate/apply-pg/index.aspx\)](#)

[Apply now \(https://pga.bham.ac.uk/lpages/LES062.htm\)](https://pga.bham.ac.uk/lpages/LES062.htm)

Learning and teaching

The taught modules will be delivered through a combination of lectures, workshops and laboratory teaching.

The Institute of Microbiology and Infection infrastructure provides high level capabilities for laboratory teaching at module level, while leading research groups offer opportunities for innovative and challenging research project opportunities.

Employability

The course will give you a thorough grounding in this important and topical area of biomedical science, enabling your entry into employment in health-related positions including hospital and public health laboratories, industry (biotechnology, pharmaceutical and other sectors) and regulatory or quality assurance functions in the public sector or industry. It will also prepare you to work in a research setting, perhaps studying for a PhD as the next step on a research-based career path.

Please see further information on [Careers \(/postgraduate/careers/index.aspx\)](#)

