

University of
Hertfordshire



School of
**Life and Medical
Sciences**



MSc Biotechnology



Gain strong research and practical experience ready for a career in the biotechnology and pharmaceutical industries when you study MSc Biotechnology

This course will be of interest to bioscience or biological chemistry graduates as you'll gain in-depth knowledge of molecular biology and biotechnology. With a strong practical basis, you'll be trained in biotechnology research strategies and gain hands-on experience of laboratory and bioinformatics techniques.

Semester A

- Strong practical foundation with modules in 'Cellular Molecular Biology' and 'Core Genetics and Protein Biology'.
- Focus on the basic principles and techniques used in modern molecular biology investigations, as well as cellular molecular biology and development.
- Biosciences Research Methods for Masters module

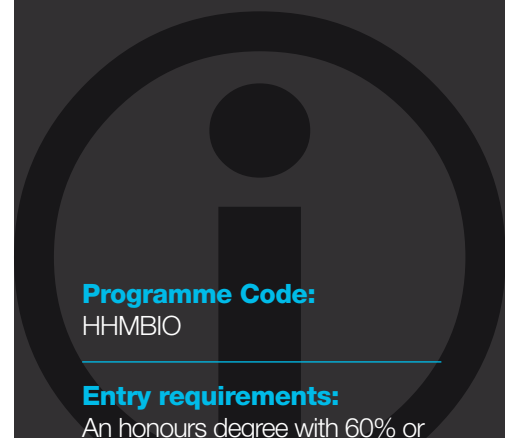
Semester B

- Adopt a problem-based learning approach to the content learned in Semester A, with modules in 'Industrial Biotechnology', 'Molecular Biotechnology' and 'Biosciences Research Methods for Masters'.
- Apply and design industrial and environmental biotechnology processes, such as process kinetics and design, reactor design and oxygen transfer, sterilization kinetics and the application of biotechnology processes for bioremediation of contaminated sites.

Semester C

- Research Project: Develop your skills further by exploring different areas such as fermentation biotechnology, genetic manipulation and protein engineering, bioinformatics, microbial physiology and environmental biotechnology.
- Biosciences Research Methods for Masters module

All the modules are 100% course work assessed which will include in class tests.



Programme Code:
HHMBIO

Entry requirements:

An honours degree with 60% or above, or equivalent professional qualifications, in the biosciences, biochemistry, pharmacy or biological chemistry. Applicants without these qualifications who can demonstrate by other qualifications, research publications or appropriate experience that they can benefit from the programme will be considered on individual merit.

An IELTS score of 6.5 or equivalent will be required if English is not the first language.

Course Length:

Full time: 1 year

Start dates

September 2014

Course Fees:

go.herts.ac.uk/fees

How to Apply:

go.herts.ac.uk/apply

Find out more, visit: www.herts.ac.uk/courses/biotechnology

Please note, the information relating to modules in this hand out are indicative, and subject to change