


University of
Hertfordshire



School of
**Life and Medical
Sciences**

MSc Molecular Biology





If you have an undergraduate degree in the biosciences, biochemistry, pharmacy or biological chemistry and you want to develop specialist knowledge in molecular biology then this is the course for you

Hands-on, practical experience of both laboratory and bioinformatics techniques, as well as training in molecular biology research techniques

Semester A

Develop a strong practical foundation with the following modules:

- Cellular Molecular Biology – develop a systematic understanding and knowledge of recombinant DNA technology, bioinformatics and associated research methodology.
- Core Genetics and Protein Biology – gain an advanced understanding of genetics, proteins, the area or proteomics and the molecular basis of cellular differentiation and development.
- Biosciences Research Methods for Masters module

Semester B

Develop a problem-based learning approach with the following modules:

- Molecular Medicine – study protein design and production and engineering by investigation specific examples through the use of case studies
- Molecular Biotechnology – gain an in-depth understanding of the application of molecular biological approaches to the characterisation of selected diseases and the design of new drugs for their treatment
- Biosciences Research Methods for Masters module

Semester C

- Biosciences Research Methods for Masters module
- Research Project - Develop your skills further by exploring different areas such as fermentation biotechnology, cardiovascular molecular biology, cancer, angiogenesis research, diabetes, general cellular molecular biology, bioinformatics, microbial physiology, and environmental microbiology.

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

Find out more, visit: www.herts.ac.uk/courses/molecular-biology



Programme Code:

HHMBIOM

Entry requirements:

An honours degree with 60% or above marks or equivalent professional qualification, 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

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