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**
- 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.

Find out more, visit: [www.herts.ac.uk/courses/biotechnology](http://www.herts.ac.uk/courses/biotechnology)