



University of
Nottingham

UK | CHINA | MALAYSIA

MSc Applied Biopharmaceutical Biotechnology and Entrepreneurship

Develop essential scientific research skills and
practical business knowledge

nottingham.ac.uk/pgstudy/biosciences



Innovative,
high-tech learning
environment



International
quality standards
of research



Includes industrial
placement



Advanced training
for employment





Develop the essential skills and knowledge required for a career in the global biotechnology and biopharmaceutical market

Overview

This one year, full-time (or two years, part-time) MSc provides you with the scientific research skills and the essential business knowledge needed to convert scientific discoveries into inventions and commercial products. Run in conjunction with the University's Business School, you will learn how to translate ideas and concepts into a business plan for start-up technologies or innovative processes within biotechnology industries. You will acquire a combination of essential skills in finance, marketing and management which will equip you for career opportunities in the global biotechnology market.

A key feature of this course is the three-month industrial placement – a research or management project in conjunction with a biopharmaceutical or biotechnological company in line with your individual career aspirations. It offers an exciting opportunity to discover first-hand the needs of modern industry and provides advanced training for employment.

Content

The course is delivered using a variety of teaching methods including lectures from academic staff and industry experts, tutorials, seminars and practical laboratory sessions.

You will gain the knowledge and skills required to manage innovation in industry, incorporating business and finance planning, idea generation, project management and creative problem solving techniques. Developing your understanding further in biomolecular structure, properties and function, and the application of enzyme, carbohydrate and antibody biotechnology across industrial and biomedical settings including drug delivery.

You will study at Sutton Bonington Campus (School of Biosciences), University Park (School of Biomedical Sciences) and Jubilee Campus (Business School).

University of Nottingham has made every effort to ensure that the information in this leaflet was accurate when published. Please note, however, that the nature of the content means that it is subject to change from time to time, and you should therefore consider the information to be guiding rather than definitive.

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Structure

This programme requires 180 credits.

The twelve months' course consists of two semesters of taught modules (120 credits), followed by a research project (60 credits) of three months on a full-time basis during the summer period. Part-time students should be prepared to undertake their research project in the summer of the second year, working on a full-time basis.

Modules

Compulsory modules:

- Industrial and Biomedical Macromolecules
- Physical Chemistry of Molecules
- Antibody Biotechnology
- Polysaccharide and Drug Delivery Biotechnology
- Structural Biology
- Project Management
- Creative Problem Solving
- Finance and Accounting
- Marketing for Entrepreneurs
- Innovation Management
- Science, Technology, Arts and Business

Further information is available at:
nottingham.ac.uk/pgstudy/biosciences

Entry requirements

You will normally be expected to hold an honours degree (or international equivalent) at 2:1 level or above in a relevant subject area. Applicants whose first language is not English must also achieve IELTS 6.5 (with no less than 6.0 in any element). Test results should be no more than two years old.

Find out more

Academic enquiries:
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Funding your studies

When looking at how to fund your postgraduate studies, it's worth taking the time to research your options, as funding is available from a variety of sources.

 nottingham.ac.uk/pgstudy/funding

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