

IBioIC's collaborative MSc in Industrial Biotechnology is an exciting opportunity for science and engineering graduates who are looking for a career in an emerging industry that is sustainable, green and essential to the global economy.

The course is taught and awarded by the University of Strathclyde, offers a competitive 10-week research internship, usually in industry and combines modular teaching from HEIs across Scotland.

Our course is at the forefront of developments in science and engineering, providing you with a strong foundation in industrial biotechnology as well as learning advanced state-of-the-art topics in a range of related areas.

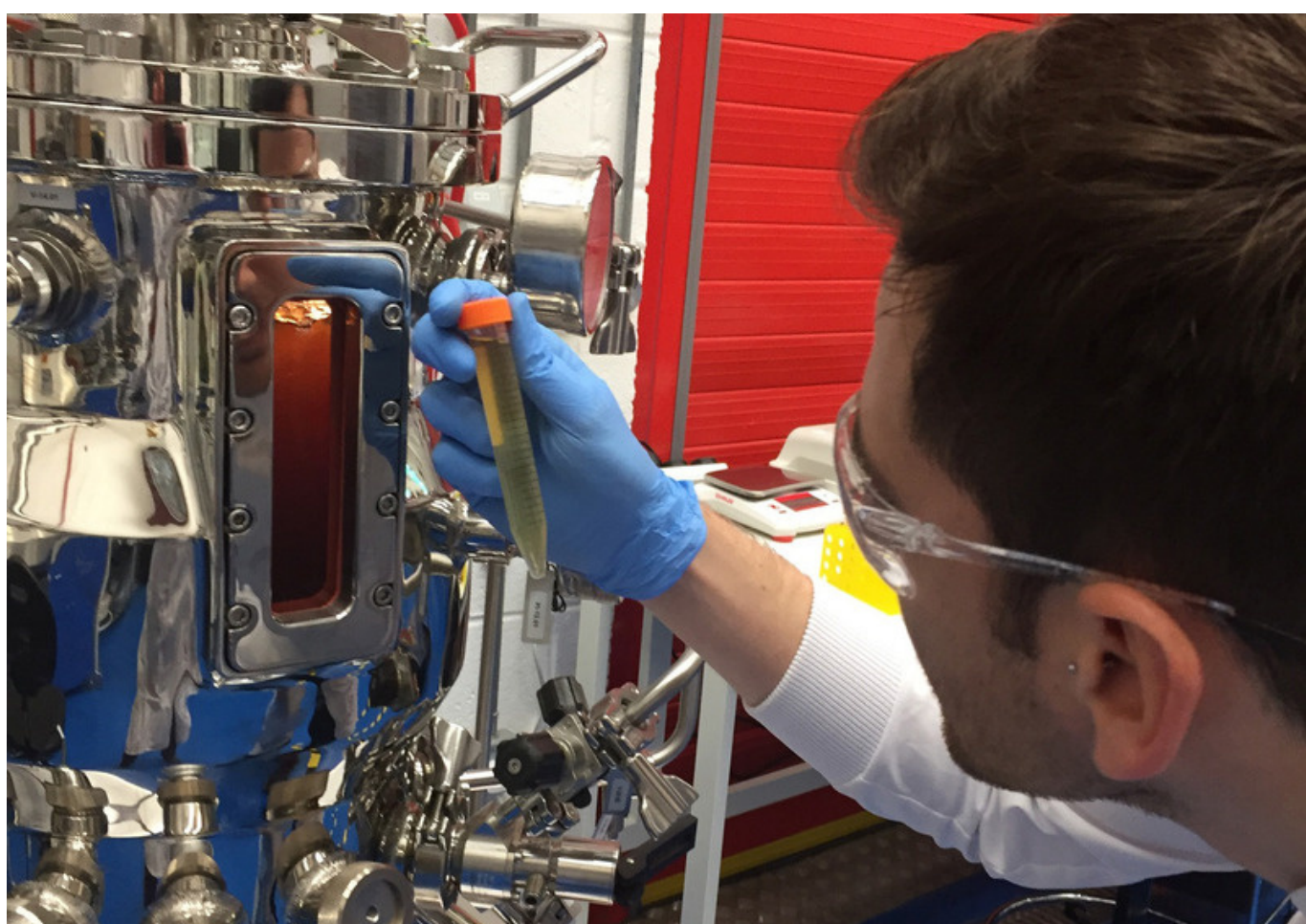


Taught Content

The course ensures graduates have a grounding in essential knowledge and the opportunity to tailor the course to a preferred career path.

Core classes include:

- Bioprocessing (University of Strathclyde)
- Applied Biocatalysis (University of Strathclyde)
- Synthetic Biology (University of Glasgow)
- Downstream Processing (Heriot-Watt University)
- Big Data Fundamentals (University of Strathclyde)
- Bioinformatics (University of Strathclyde)



Biotechnology Research Project (MSc only)

The project will typically be based with one of IBioIC's industrial or academic partners and be supervised by both an industrial and academic supervisor. The internship will last a minimum of 10 weeks, and students will work on a sector-relevant project gaining invaluable experience in a key area of biotechnology.

"The IBioIC industrial placement gave me the confidence to develop an independent approach to experimental design on real-world bio-based applications"

- Garry Patterson

"My placement was a practical launchpad - helping me establish my career interest, land a job and kickstart my professional journey in the UK"

- Rishivanth Sridharan

Elective classes include:

- Blue Biotechnology (SAMS, University of the Highlands & Islands)
- Renewable Energy Technologies (Abertay University)
- Circular Economy and Transformations Towards Sustainability (University of Strathclyde)
- Project Management (University of Strathclyde)
- Food Microbiology and Biotechnology (Glasgow Caledonian University)
- Food Commodities and Sustainability (Glasgow Caledonian University)
- Understanding the Regulatory Environment of Bioprocessing Industries (Glasgow Caledonian University)

Site Visits

To enhance your learning, students can take part in industry site visits, experiencing the industrial biotechnology sector first-hand in a variety of organisations from SME's to Multinationals.

Careers

Our students enjoyed successful placements with the following companies:



As a result of the MSc experience and particularly the industrial placement, at least 85% of our recent cohorts have secured full-time jobs within the biotechnology sector or have undertaken further postgraduate study.



Duration of Course

MSc: 12 months full-time

PgDip: 9 months full-time

Entry Requirements

First- or upper second-class Honours degree in biology, biotechnology, chemistry, chemical engineering or a related subject.

Other qualifications and industrial experience may be considered.

English language: IELTS 6.5 is required for all non-English speakers.

Fees and Funding

For information on current fee levels, see: www.strath.ac.uk/tuitionfees

Funded places will be available to those applicants who are eligible for Home fee status.

A number of scholarships are available for outstanding UK, EU and international applicants. For details, please visit: www.strath.ac.uk/studywithus/scholarships

Further Information and How to Apply

For further information and how to apply, please visit: www.strath.ac.uk/courses/postgraduatetaught/industrialbiotechnology

For informal enquires, please contact the Skills Team email: skills@ibioic.com



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