

# FACULTY OF SCIENCE

## STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

### INDUSTRIAL BIOTECHNOLOGY

Master of Science in Industrial Biotechnology  
Postgraduate Diploma in Industrial Biotechnology  
Postgraduate Certificate in Industrial Biotechnology

*These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).*

#### Admission

1. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Duration of Study

2. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

#### Mode of Study

3. The programme is available by full-time and part-time study.

#### Curriculum

4. All students shall undertake an approved curriculum as follows:
  - i. for the Postgraduate Certificate no fewer than 60 credits
  - ii. for the Postgraduate Diploma no fewer than 120 credits
  - iii. for the degree of MSc no fewer than 180 credits including the project.

#### Compulsory Modules

Module Code	Module Title	Level	Credits
BM923	Bioprocessing	5	20
BM924	Applied Biocatalysis	5	20
EX933	Synthetic Biology	5	20
CS989	Big Data Fundamentals	5	10
CSXXX	Introduction to Bioinformatics	5	10
EX956	Downstream Processing	5	10
BM954	SIPBS MSc Research Project*	5	60

\*For the degree of MSc only

#### Optional Modules

At least 30 credits to be chosen from the below list. Not all optional modules on this list will be available in each academic year.

Module Code	Module Title	Level	Credits
EX963	Delivering the Circular Economy and the Bioeconomy	5	20
EX929	Blue Biotechnology	5	20
EX940	Renewable Energy Technologies	5	20
EF931	Project Management	5	10
CL994	Circular Economy and Transformations Towards Sustainability	5	10
EX957	Understanding the Regulatory Environment of Bioprocessing Industries	5	10
EX958	Food Commodities and Sustainability	5	10
EX959	Food Microbiology and Biotechnology	5	10
Or any other module from IBioIC HEI partner			

### Examination, Progress and Final Assessment

- See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).
- The final award will be based on performance in the written examinations and the coursework.

### Award

- Degree of MSc:** In order to qualify for the award of the degree of MSc in Industrial Biotechnology, a candidate must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the project BM954.
- Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Industrial Biotechnology, a candidate must have accumulated no fewer than 120 credits from the taught modules of the programme.
- Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Industrial Biotechnology, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.