

FACULTY OF SCIENCE

STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

BIOMEDICAL SCIENCES

Master of Science in Biochemistry
Master of Science in Immunology
Master of Science in Microbiology
Master of Science in Pharmacology
Bachelor of Science with Honours in Biochemistry and Immunology
Bachelor of Science with Honours in Biochemistry and Microbiology
Bachelor of Science with Honours in Biochemistry and Pharmacology
Bachelor of Science with Honours in Immunology and Microbiology
Bachelor of Science with Honours in Immunology and Pharmacology
Bachelor of Science with Honours in Microbiology and Pharmacology
Bachelor of Science with Honours in Biomedical Science
Bachelor of Science in Biological Sciences
Diploma of Higher Education in Biological Sciences
Certificate of Higher Education in Biological Sciences

These regulations are to be read in conjunction with [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)

Curriculum (Full-time study)

1. All students shall undertake an approved curriculum as follows:

First Year

All full-time students shall undertake modules amounting to 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
BM110	Being a Biomolecular Scientist 1	1	40
BM109	Foundation Biomolecular Sciences: Cells and their Molecules	1	20
CH112	Bio-Organic Chemistry	1	20
BM108	Foundation Biomolecular Science 2: Organisms and Disease	1	20
	Elective Modules		20

Second Year

All full-time students shall undertake modules amounting to 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
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BM214	Being a Biomolecular Scientist 2	2	40
BM212	Introduction to Immunology	2	20
BM210	Introduction to Biochemistry	2	20
BM213	Introduction to Pharmacology	2	20
BM211	Introduction to Microbiology	2	20

Third Year

All full-time students shall undertake modules amounting to 120 credits as follows:

Compulsory Module

Module Code	Module Title	Level	Credits
BM327	Being a Biomolecular Scientist 3	3	40

Optional Modules

Module Code	Module Title	Level	Credits
BM326	Fundamental Biochemistry*	3	20
BM321	Biomedical Biochemistry*	3	20
BM325	Fundamental Immunology**	3	20
BM323	Biomedical Immunology**	3	20
BM330	Fundamental Microbiology***	3	20
BM329	Biomedical Microbiology***	3	20
BM324	Fundamental Pharmacology****	3	20
BM322	Biomedical Pharmacology****	3	20
BM328	Fundamental Biomedical Science: Haematology and Immunodiagnostics	3	20

*Compulsory for Biochemistry

**Compulsory for Immunology

***Compulsory for Microbiology

****Compulsory for Pharmacology

Students must pass the optional modules before they can take the related Clinical/Advanced modules in fourth year.

Fourth Year

Students must take a minimum of 40 credits in the subject that forms the named Masters degree in year 5. All full-time students shall undertake modules amounting to 120 credits choosing two subject combinations from the following:

Compulsory Modules

Module Code	Module Title	Level	Credits
BM432	Being a Biomolecular Scientist 4	4	40

Optional Modules

Module Code	Module Title	Level	Credits
BM430	Advanced Biochemistry*	4	20
BM423	Clinical Biochemistry	4	20
BM426	Clinical Immunology**	4	20
BM427	Advanced Immunology	4	20
BM425	Advanced Microbiology***	4	20
BM424	Clinical Microbiology^	4	20
BM435	Applied Microbiology^	4	20
BM429	Advanced Pharmacology****	4	20
BM434	Clinical Pharmacology	4	20
BM422	Advanced Biomedical Science: Cellular and Molecular Pathology	4	20

^Either BM424 Clinical Microbiology or BM435 Applied Microbiology

Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

*Compulsory for Biochemistry

**Compulsory for Immunology

***Compulsory for Microbiology

****Compulsory for Pharmacology

Fifth Year

All students shall undertake modules amounting to 120 credits as follows:

Compulsory Module

Module Code	Module Title	Level	Credits
BM503	MSci in Biochemistry*	5	120
BM502	MSci in Immunology**	5	120

BM504	MSci in Microbiology***	5	120
BM501	MSci in Pharmacology****	5	120

*Compulsory for Biochemistry

**Compulsory for Immunology

***Compulsory for Microbiology

****Compulsory for Pharmacology

Each of the above 120 credit modules comprises of modules appropriate to the chosen programme.

Module Code	Module Title	Level	Credits
	MSci (programme) Project and Thesis	5	80
	Research Topics in (programme)	5	20
BM952	Essential Skills and Employability for Masters Students	5	20

On successful completion of the fifth year of the programme, a candidate will be awarded 120 Level 5 credits under the module code BM501, BM502, BM503 or BM504 as appropriate.

Curriculum (Part-time study)

- See [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)

Progress (Full-time study)

- In order to progress to the second year of the programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
- In order to progress to the third year of the programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
- In order to progress to the fourth year of the programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
- In order to progress to the fifth year of the programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)

Progress (Part-time study)

- In order to progress to the next full-time equivalent year of the programme, a part-time student must normally satisfy the appropriate progress requirements for full-time study.
- In any one academic year, a part-time student shall not normally carry more than 20 outstanding credits from one academic year to the next.

Final Assessment and Degree Classification

- The final classification will normally be based on the first assessed attempt at compulsory and specified optional modules in the third, fourth and fifth years.

Award

10. **MSci:** In order to qualify for the award of the degree of MSci in the chosen programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
11. **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in the chosen programme, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
12. **BSc:** In order to qualify for the award of the BSc in Biological Sciences, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
13. **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Biological Sciences, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)
14. **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Biological Sciences, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)