

FACULTY OF SCIENCE

STRATHCLYDE INSTITUTE OF PHARMACY AND BIOMEDICAL SCIENCES

BIOMEDICAL SCIENCES

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 with Honours in Biomolecular Sciences
Bachelor of Science with Honours in Biology with Teaching (International)
Bachelor of Science with Honours in Pharmacology (International)
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](#).

Admission

1. Admission to Bachelor of Science with Honours in Biology with Teaching (International) and Bachelor of Science with Honours in Pharmacology (International) shall normally be into Second Year. Students will be awarded RPL equivalent to 120 credits at Level 1. Admission to all other programmes shall normally be to first year.

Curriculum (Full-time study)

2. 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 Sciences 2: Organisms and Disease	1	20
	Elective Module(s)		20

Pharmacology (International)

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 Sciences 2: Organisms and Disease	1	20
59101	Use and Abuse of Drugs	1	10
23101	Pharmaceutical Sciences and Drug Development	1	10

Second Year

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

Compulsory Modules

Module Code	Module Title	Level	Credits
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 Modules

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

Biochemistry and Immunology Compulsory Modules

Module Code	Module Title	Level	Credits
BM325	Fundamental Immunology	3	20
BM323	Biomedical Immunology	3	20
BM326	Fundamental Biochemistry	3	20

BM321	Biomedical Biochemistry	3	20
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Biochemistry and Microbiology Compulsory Modules

Module Code	Module Title	Level	Credits
BM330	Fundamental Microbiology	3	20
BM329	Biomedical Microbiology	3	20
BM326	Fundamental Biochemistry	3	20
BM321	Biomedical Biochemistry	3	20

Biochemistry and Pharmacology Compulsory Modules

Module Code	Module Title	Level	Credits
BM324	Fundamental Pharmacology	3	20
BM322	Biomedical Pharmacology	3	20
BM326	Fundamental Biochemistry	3	20
BM321	Biomedical Biochemistry	3	20

Microbiology and Pharmacology Compulsory Modules

Module Code	Module Title	Level	Credits
BM324	Fundamental Pharmacology	3	20
BM322	Biomedical Pharmacology	3	20
BM330	Fundamental Microbiology	3	20
BM329	Biomedical Microbiology	3	20

Biological Sciences and Biomolecular Sciences

80 credits chosen from the modules listed in this Regulation.

Biomedical Science

Compulsory Modules

Module Code	Module Title	Level	Credits
BM329	Biomedical Microbiology	3	20
BM325	Fundamental Immunology	3	20

BM321	Biomedical Biochemistry	3	20
BM328	Fundamental Biomedical Science: Haematology and Immunodiagnostics	3	20

Immunology and Microbiology

Compulsory Modules

Module Code	Module Title	Level	Credits
BM325	Fundamental Immunology	3	20
BM323	Biomedical Immunology	3	20
BM330	Fundamental Microbiology	3	20
BM329	Biomedical Microbiology	3	20

Immunology and Pharmacology

Compulsory Modules

Module Code	Module Title	Level	Credits
BM325	Fundamental Immunology	3	20
BM323	Biomedical Immunology	3	20
BM324	Fundamental Pharmacology	3	20
BM322	Biomedical Pharmacology	3	20

Pharmacology (International)

Module Code	Module Title	Level	Credits
BM324	Fundamental Pharmacology	3	20
BM3XX	Computational Pharmacology	3	20
BM322	Biomedical Pharmacology	3	20
BM3XX	Drug discovery & development	3	20

Biology with Teaching (International)

80 credits chosen from the modules listed in this Regulation excluding BM328 (Fundamental Biomedical Science: Haematology and Immunodiagnostics).

Fourth Year

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

Compulsory Modules

Module Code	Module Title	Level	Credits
BM432	Being a Biomolecular Scientist 4	4	40
BM498	Composite Mark*	4	80

*BM498 Composite Mark comprises:

Biochemistry and Immunology**Compulsory Modules**

Module Code	Module Title	Level	Credits
BM426	Clinical Immunology	4	20
BM430	Advanced Biochemistry	4	20
BM427	Advanced Immunology	4	20
BM423	Clinical Biochemistry	4	20

Biochemistry and Microbiology**Compulsory Modules**

Module Code	Module Title	Level	Credits
BM425	Advanced Microbiology	4	20
BM430	Advanced Biochemistry	4	20
BM423	Clinical Biochemistry	4	20
	AND EITHER		
BM424	Clinical Microbiology	4	20
	OR		
BM435	Applied Microbiology	4	20

Biochemistry and Pharmacology**Compulsory Modules**

Module Code	Module Title	Level	Credits
BM429	Advanced Pharmacology	4	20
BM430	Advanced Biochemistry	4	20

BM434	Clinical Pharmacology	4	20
BM423	Clinical Biochemistry	4	20

Microbiology and Pharmacology

Compulsory Modules

Module Code	Module Title	Level	Credits
BM429	Advanced Pharmacology	4	20
BM425	Advanced Microbiology	4	20
BM434	Clinical Pharmacology	4	20
	AND EITHER		
BM424	Clinical Microbiology	4	20
	OR		
BM435	Applied Microbiology	4	20

Biomedical Science

Compulsory Modules

Module Code	Module Title	Level	Credits
BM426	Clinical Immunology	4	20
BM423	Clinical Biochemistry	4	20
BM424	Clinical Microbiology	4	20
BM422	Advanced Biomedical Science: Cellular and Molecular Pathology	4	20

Immunology and Microbiology

Compulsory Modules

Module Code	Module Title	Level	Credits
BM426	Clinical Immunology	4	20
BM425	Advanced Microbiology	4	20
BM427	Advanced Immunology	4	20
	AND EITHER		
BM424	Clinical Microbiology	4	20

	OR		
BM435	Applied Microbiology	4	20

Immunology and Pharmacology

Compulsory Modules

Module Code	Module Title	Level	Credits
BM426	Clinical Immunology	4	20
BM429	Advanced Pharmacology	4	20
BM427	Advanced Immunology	4	20
BM434	Clinical Pharmacology	4	20

Biological and Biomolecular Sciences

80 credits chosen from Fourth Year modules.

Biology with Teaching (International)

Compulsory Modules

Module Code	Module Title	Level	Credits
X7457	Educational Studies; Professional Values 1	4	20
X7459	Professional Learning Through Enquiry 1	4	20
X7463	Professional Skills; Curriculum and Pedagogy Biology 1	4	40
X7496	Placement Learning: Community	4	20
X7497	Learning on Placement	4	20

Pharmacology (International)

Compulsory Modules

Module Code	Module Title	Level	Credits
BM429	Advanced Pharmacology	4	20
BM4XX	Experimental Pharmacology	4	20
BM434	Clinical Pharmacology	4	20
BMXX	Contemporary Pharmacotherapy	4	20

Curriculum (Part-time study)

3. In each academic year, a student studying on a part-time basis shall normally undertake a curriculum of no fewer than 60 credits chosen from the appropriate full-time curriculum.

Progress (Full-time study)

4. In order to progress to the second year of the programme the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.
5. In order to progress to the third year of the programme the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.
6. In order to progress to the fourth year of the programme the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.

Progress (Part-time study)

7. The [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.

Final Assessment and Honours Classification

8. On successful completion of the fourth year, a student will be awarded 120 Level 4 credits under the module code BM499.
9. The final Honours classification will normally be based on the first assessed attempt at compulsory and specified optional modules in the third and fourth years.

Award

10. **BSc with Honours:** In order to qualify for the award of the degree of BSc with Honours in the chosen programme the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.
11. **BSc with Honours in Biology with Teaching (International):** In order to qualify for the award of the degree of BSc with Honours in Biology with Teaching (International) a student must have accumulated no fewer than 480 credits from the programme curriculum. Notwithstanding the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#), these must include:
 - i. the credits for all the compulsory Level 4 Education modules taken individually;
 - ii. no fewer than 200 credits at Levels 3 and 4 with at least 160 credits at Level 4.
12. **BSc:** In order to qualify for the award of the BSc in Biological Sciences Regulation the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.
13. **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Biological the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.
14. **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Biological Sciences the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.