

Strathclyde Institute of Pharmacy and Biomedical Sciences

Biomedical Sciences Courses and Classes

Exchange students must choose the standard curriculum in 1st and 2nd Years, and must follow a specific Degree curriculum in 3rd and 4th Years.

It is NOT POSSIBLE to mix classes between years, as they normally cannot be timetabled together. It may be possible to opt out of 1 class and choose a class from a discipline outside BMS or SIPBS, but in the latter case the student is responsible for contacting the other department, obtaining their timetable, and ensuring that the class is compatible.

First Year

Compulsory Classes		Semester	Credits
BM 101	Foundation Bioscience and Statistics	1&2	20
BM 102	Molecular Bioscience	1	20
BM 103	Biology of Organisms	2	20
BM 104	Practical Bioscience and Skills Development 1	1&2	20
CH 105	Chemistry for Bioscience	1&2	20
Elective Classes (e.g.):			20
99 201	Introduction to Forensic Science	1	10

Second Year (Standard Curriculum)

Compulsory Classes		Semester	Credits
BM 201	Introduction to Infection and Immunity	1	20
BM 202	Nutritional Biochemistry and Metabolism	2	20
BM 203	Cell and Molecular Biology	1	20
BM 204	Practical Bioscience and Skills Development 2	1&2	20
BM 205	Human Physiology	2	20
CH 201	Bio-organic Chemistry	1&2	20
Additional Option:			
FS 202	Forensic Natural History and Microscopy	1&2	20

Third Year (Degree Specific Curricula)

Biochemistry and Immunology

Compulsory Classes		Semester	Credits
BM 301	Fundamental Immunology	1	20
BM 302	Intermediate Immunology	2	20
BM 305	Clinical Biochemistry and Molecular Genetics	2	20
BM 306	Proteins and Enzymes	1	20
BM 310	Laboratory Methods and Skills Development	1&2	40

Biochemistry and Microbiology

Compulsory Classes		Semester	Credits
BM 303	Fundamental Microbiology	1	20
BM 304	Intermediate Microbiology	2	20
BM 305	Clinical Biochemistry and Molecular Genetics	2	20
BM 306	Proteins and Enzymes	1	20
BM 310	Laboratory Methods and Skills Development	1&2	40

Biochemistry and Pharmacology

Compulsory Classes		Semester	Credits
BM 305	Clinical Biochemistry and Molecular Genetics	2	20
BM 306	Proteins and Enzymes	1	20
BM 307	Fundamentals of Pharmacology	1	20
BM 308	Drugs and Disease 1	2	20
BM 310	Laboratory Methods and Skills Development	1&2	40

Immunology and Microbiology

Compulsory Classes		Semester	Credits
BM 301	Fundamental Immunology	1	20
BM 302	Intermediate Immunology	2	20
BM 303	Fundamental Microbiology	1	20
BM 304	Intermediate Microbiology	2	20
BM 310	Laboratory Methods and Skills Development	1&2	40

Immunology and Pharmacology

Compulsory Classes		Semester	Credits
BM 301	Fundamental Immunology	1	20
BM 302	Intermediate Immunology	2	20
BM 307	Fundamentals of Pharmacology	1	20
BM 308	Drugs and Disease 1	2	20
BM 310	Laboratory Methods and Skills Development	1&2	40

Biomedical Science

Compulsory Classes		Semester	Credits
BM 301	Fundamental Immunology	1	20
BM 303	Fundamental Microbiology	1	20
BM 305	Clinical Biochemistry & Molecular Genetics	2	20
BM 309	Haematology, Immunohaematology and Immunodiagnosics	2	20
BM 310	Laboratory Methods and Skills Development	1&2	40

Forensic Biology

Compulsory Classes		Semester	Credits
BM 301	Fundamental Immunology	1	20
BM 305	Clinical Biochemistry and Molecular Genetics	2	20
BM 307	Fundamentals of Pharmacology	1	20
BM 311	Practical Bioscience and Skills Development 3	1&2	20
FS 301	Forensic Statistics and Communication	2	20
FS 304	Investigative Forensic Biology	1	20

Alternative Practical Class

		Semester	Credits
BM 311	Practical Bioscience and Skills Development 3	1	20

Fourth Year (Degree Specific Curricula)

Biochemistry and Immunology

Compulsory Classes		Semester	Credits
BM 402	Honours Immunology 1	1	20
BM 406	Honours Biochemistry 1	1	20
BM 403	Honours Immunology 2	2	20
BM 407	Honours Biochemistry 2	2	20

Biochemistry and Microbiology

Compulsory Classes		Semester	Credits
BM 406	Honours Biochemistry 1	1	20
BM 404	Honours Microbiology 1	1	20
BM 407	Honours Biochemistry 2	2	20
BM 405	Honours Microbiology 2	2	20

Biochemistry and Pharmacology

Compulsory Classes		Semester	Credits
BM 406	Honours Biochemistry 1	1	20
BM 408	Honours Pharmacology 1	1	20
BM 407	Honours Biochemistry 2	2	20
BM 409	Honours Pharmacology 2	2	20

Immunology and Microbiology

Compulsory Classes		Semester	Credits
BM 402	Honours Immunology 1	1	20
BM 404	Honours Microbiology 1	1	20
BM 403	Honours Immunology 2	2	20
BM 405	Honours Microbiology 2	2	20

Immunology and Pharmacology

Compulsory Classes		Semester	Credits
BM 402	Honours Immunology 1	1	20
BM 408	Honours Pharmacology 1	1	20
BM 403	Honours Immunology 2	2	20
BM 409	Honours Pharmacology 2	2	20

Biomedical Science

Compulsory Class		Semester	Credits
BM 403	Honours Immunology 2	2	20
BM 404	Honours Microbiology 1	1	20
BM 407	Honours Biochemistry 2	2	20
BM 410	Molecular and Cellular Pathology	1	20

Forensic Biology (may not be available to external students)

Compulsory Classes		Semester	Credit
BM 411	Toxicology	1	20
BM 412	Aspects of Forensic Biology	1	20
FS 404	Advanced and Professional Forensic Biology <i>(may not be available to external students)</i>	1&2	40

Research Projects available:

		Semester	Credits
BM 401	Research in Biomedical Science (+PDP)	4	40
23401	Pharmacy & Biomedical Science research Project	1&2	120
23402	Pharmacy & Biomedical Science research Project	1&2	60
23401	Pharmacy & Biomedical Science research Project	1/2	30