Version as of 12 Mar 2025

BSc in Biological Sciences
Recommended Study Plan For Normative 4-year Degree
For Students Admitted from Semester A 2024/25

Year 1 (2024/25) **Semester A**	**CUs**	**Semester B**	**CUs**
BMS1901 Calculus For Life Sciences	3	BMS2004 Biochemistry	3
CHEM1200 Discovery in Biology*#	3	PHY1400 Introductory Physics for Biologists*	3
CHEM1300 Principles of General Chemistry *	3	GE2401 English for Science ▲	3
GE1401 University of English▲	3	GE1501 Chinese Civilization – History and Philosophy ▲	3
GE Distributional Requirements ∮ /		GE Distributional Requirements ∮ /	
Major Elective	3	Major Elective	3
Free Elective		Free Elective	
Total	15	*Total*	15
Year 2 (2025/26) **Semester A**	**CUs**	**Semester B**	**CUs**
BMS2005 Human Physiology	3	BMS2206 Cell Biology	3
BMS2202 Diversity of Life & Evolution	3	BMS2205 Essential Techniques in Biomedical Sciences	4
BMS2204 Diversity of Life and Microbiology Laboratory	2	BMS2901 Introductory Biostatistics and Data Analysis	3
BMS3203A Genetics	3	BMS3204 Molecular Biology	3
CHEM2013 Microbiology	3	GE Distributional Requirements ∮ /	
		Major Elective	3
		Free Elective	
Total	14	*Total*	16
Year 3 (2026/27) **Semester A**	**CUs**	**Semester B**	**CUs**
BMS3205 Omics, Genome Editing and Advanced Techniques for Biomedical Research	2	BMS4008 Clinical Immunology	3
BMS3301 Bioinformatics	3	BMS4102 Technology for Regenerative Medicine	3
BMS4007 Pharmacology and Toxicology	3	BMS4301 Cancer Biology	3
BMS4303 Neuroscience	3	GE Distributional Requirements ∮ /	
CHEM3068 General Ecology	4	Major Elective	6
		Free Elective	
Total	15	*Total*	15
Year 4 (2027/28) **Semester A**	**CUs**	**Semester B**	**CUs**
BMS4206 Final Year Project in Biomedical Research OR BMS4304 Industrial Attachment: Biotechnology and Health Sciences	(IP) 4	BMS4206 Final Year Project in Biomedical Research OR BMS4304 Industrial Attachment: Biotechnology and Health Sciences	4
GE Distributional Requirements ∮ /		GE Distributional Requirements ∮ /	
Major Elective	12	Major Elective	10
Free Elective		Free Elective	
Total	16	*Total*	14
Minimum number of credit units required: 120			

(1) Students should pay special attention to the prerequisite of courses as specified in the syllabuses.

(2) The curriculum information is subject to periodic review and changes.

(3) Students must choose to take BMS4206 FYP in Biomedical Research (8 CU) or BMS4304 Industrial Attachment: Biotechnology and Health Sciences (8 CU) as one of their major elective courses to fulfill graduation requirement.

Students who intend to choose the BISI major are advised to take CHEM1200 in the first year which is a prerequisite for core courses schedule in Year 2 Semester A.

▲ **Gateway Education – University Requirements (9 Credit Units)** – *Students are recommended to register in these courses in their first year of study or as soon as possible.*

∗ **Gateway Education – College/School-specified courses (9 Credit Units)**

$ ***Gateway Education – Distributional Requirements (12 Credit Units) minimum 3 credit units from each area:***

Area 1: Arts and Humanities
Area 2: Study of Societies, Social and Business Organizations
Area 3: Science and Technology

IP "In Progress" for a year-long course

Degree Requirements	**Normative 4-year Degree**
Gateway Education requirement	30 credit units
College/School requirement	Not Applicable
Major requirement	72 credit units (Core: **57** Elective: **15)**
Free electives / Minor (if applicable)	18 credit units
Minimum number of credit units required for the award	**120 credit units**