

**BSc in Biomedical Sciences (BScBMS)**  
**Recommended Study Plan For Normative 4-year Degree**  
**For Students Admitted between Semester A 2020/21 and Semester A 2024/25**

Version as of  
2025-08-25

Year 1		Semester B	
Semester A	CUs	Semester B	CUs
CHEM1300 Principles of General Chemistry *	3	PHY1400 Introductory Physics for Biologists*	3
CHEM1200 Discovery in Biology *#	3	BMS2004 Biochemistry	3
BMS1901 Calculus for Life Sciences	3	GE2401 English for Science ▲	3
GE1401 University English ▲	3	GE1501 Chinese Civilization – History and Philosophy ▲	3
GE Distributional Requirements §	3	GE Distributional Requirements §	3
<i>Total</i>	15	<i>Total</i>	15
Year 2		Semester B	
Semester A	CUs	Semester B	CUs
BMS2001 Medical Microbiology	3	BMS2002 Pathophysiology	3
BMS2005 Human Physiology	3	BMS2003 Clinical Chemistry	3
BMS2007 Human Anatomy	3	BMS2201 Molecular Biology of the Cell	3
BMS2008 Hematology I	3	BMS2901 Introductory Biostatistics and Data Analysis	3
GE Distributional Requirements §	3	BMS3004 Advanced Medical Microbiology	3
		BMS3008 Modern Medical Laboratory Techniques and Instrumentation	3
<i>Total</i>	15	<i>Total</i>	18
Year 3		Semester B	
Semester A	CUs	Semester B	CUs
BMS3002 Cellular Pathology	3	BMS3005 Medical Genetics	3
BMS3003 Advanced Clinical Chemistry	3	BMS3006 Transfusion Science and Technology	3
BMS3011 Hematology II	3	BMS3007 Ethics and Practice in Medical Laboratory	3
BMS4005 Medical Virology	3	BMS4004 Advanced Cellular Pathology	3
GE Distributional Requirements §	3	BMS4008 Clinical Immunology	3
<i>Total</i>	15	<i>Total</i>	15
Year 4		Semester B	
Semester A	CUs	Semester B	CUs
BMS4001 Medical Informatics and Laboratory Management	3	BMS3009 Clinical Laboratory/Industrial Attachment♦	9
BMS4002 Public Health and Emerging Infectious Diseases	3	BMS4006 Final Year Project: Medical Laboratory Research ■	3
BMS4003 Clinical Biochemistry and Molecular Diagnostics	3		
BMS4006 Final Year Project: Medical Laboratory Research ■	3		
	(IP)		
BMS4007 Pharmacology and Toxicology	3		
<i>Total</i>	15	<i>Total</i>	12
<b>Minimum number of credit units required: 120</b>			

- Note:**
- (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) Clinical Laboratory/Industrial Attachment is with full time/day schedule. Students have to show up at host labs from Monday to Friday day time and are unable to attend any day-time course sections during the attachment.
  - (4) Some Clinical Laboratory/Industrial Attachment opportunities may be open in Year-3 Summer for students' application and participation.
  - (5) Please expect that you might start your final year project from Year-3 Summer, as you will be occupied for the Clinical Laboratory/Industrial Attachment assigned in Year-4 Semester B.

# Students who intend to choose the BMS major are advised to take CHEM1200 in the first year which is a prerequisite for a core course 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 Requirements (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](#)

■ Timeslot and allocation of the Final Year Project may be subject to change.

◆ Timeslot and allocation of the Clinical Laboratory/Industrial Attachment are subject to change according to host lab availability.

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	90 credit units (Core: 90 + Elective: 0)
Free electives / Minor (if applicable)	Remainder to fulfill the credit requirement for graduation, if any.
<b>Minimum number of credit units required for the award</b>	120 credit units