

## B.S. in Molecular & Cellular Biology—sample course sequence (Fall 2020)

<b>First Semester (Fall)</b>	<b>Credit</b>	<b>Second Semester (Spring)</b>	<b>Credit</b>
CHEM 06.100 Chemistry I (Scientific Literacy)	4	CHEM 06.101 Chemistry II	4
MCB 01.101 Foundations in Biology for Biomedical Sciences I	4	MCB 01.102 Foundations in Biology for Biomedical Sciences II	4
MATH 01.130 Calculus I (Quantitative Literacy)	4	MATH 01.131 Calculus II	4
COMP 01.111 College Comp. I-RS	3	COMP 01.112 College Comp. II	3
<b>Term Total Credit</b>	<b>15</b>	<b>Term Total Credit</b>	<b>15</b>
<b>Third Semester (Fall)</b>	<b>Credit</b>	<b>Fourth Semester (Spring)</b>	<b>Credit</b>
CHEM 07.200 Organic Chemistry I	4	CHEM 07.203 Organic Chemistry II for Biomedical Sciences	4
PHYS 00.220 Introductory Mechanics <i>or</i> PHYS 00.210 Physics I	4	PHYS 00.221 Intro Electricity/Magnetism <i>or</i> PHYS 00.211 Physics II	4
CMS 04.205 Public Speaking	3	STAT 02.284 Statistics For Biomed Science*	3
General Education Elective (Global Literacy)	3	MCB 01201 Molecular Biology Methods*	4
<b>Term Total Credit</b>	<b>14</b>	<b>Term Total Credit</b>	<b>15</b>
<b>Fifth Semester (Fall)</b>	<b>Credit</b>	<b>Sixth Semester (Spring)</b>	<b>Credit</b>
CHEM 07.348 Biochemistry	4	MCB 22.450 Molecular Genetics*	4
BINF 07.250 Intro to Bioinformatics*	3	MCB 10.345 Human Physiology*	4
MCB 01.306 Translational Cell Biology Lecture*	3	PHIL 09.369 Philosophy of Science (WI & Humanistic Literacy)	3
MCB 01.307 Translational Cell Biology Lab*	2	General Education Elective	3
TBS 01.220 Trans Biomed Res I	3	General Education Elective	3
General Education Elective	3		
<b>Term Total Credit</b>	<b>16</b>	<b>Term Total Credit</b>	<b>17</b>
<b>Seventh Semester (Fall)</b>	<b>Credit</b>	<b>Eighth Semester</b>	<b>Credit</b>
General Education Elective (Artistic Literacy)	3	Restricted Elective	4
Restricted Elective	4	Restricted Elective	3
Restricted Elective	3	General Education Elective	3
General Education Elective	3	General Education Elective	3
BMS 01.450 Biomedical Frontiers Sem I	1	General Education Elective	3
<b>Term Total Credit</b>	<b>14</b>	<b>Term Total Credit</b>	<b>16</b>

\* indicates a course that is typically only offered in the indicated Fall or Spring term

This document is intended as a guide only. Please consult with your academic advisors to fully plan your course sequence.