B.S. in Bioinformatics—sample course sequence

First Semester (Fall)	Credit	Second Semester (Spring)	Credit
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
Term Total Credit	**15**	**Term Total Credit**	**15**
Third Semester (Fall)	**Credit**	**Fourth Semester (Spring)**	**Credit**
CHEM 07.200 Organic Chemistry I	4	CHEM 07.201 Organic Chemistry II	4
PHYS 00.220 Introductory Mechanics	4	PHYS 00.221 Intro Electricity/Magnetism *or* PHYS 00.222 Introductory TFWO	4
CS 04.103 Computer Science and Programming	4	CS 01.205 Computer Laboratory Techniques	3
BINF 07.250 Intro to Bioinformatics*	3	STAT 02.284 Statistics For Biomed Science*	3
Term Total Credit	**15**	**Term Total Credit**	**14**
Fifth Semester (Fall)	**Credit**	**Sixth Semester (Spring)**	**Credit**
CHEM 07.348 Biochemistry	4	MCB 22.450 Molecular Genetics*	4
CS 04.225 Principles of Data Structures	3	BINF 05.355 Bioinformatics – Biological Applications*	3
PHIL 09.369 Philosophy of Science (WI & Humanistic Literacy)	3	BINF 05.360 Programming for Molecular Biology	3
CMS 04.205 Public Speaking	3	TBS 01.220 Trans Biomed Res I	3
General Education Elective (Artistic Literacy)	3	Restricted Elective	3
Term Total Credit	**16**	**Term Total Credit**	**16**
Seventh Semester (Fall)	**Credit**	**Eighth Semester**	**Credit**
BINF 07.399 Bioinformatics – Biochemical Applications*	3	General Education Elective (Global Literacy)	3
CS 04.301 Bioinformatics – Computational Aspects*	3	Restricted Elective	4
Restricted Elective	4	Restricted Elective	3
Restricted Elective	3	General Education Elective	3
BMS 01.450 Biomedical Frontiers Sem I	1	General Education Elective	3
Term Total Credit	**14**	**Term Total Credit**	**16**

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

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