BS Computer Science / MS Bioinformatics and Comp. Biology (5 years)

First Year			
Fall	17	Spring	18
CSCI 1020: Intro. to CS: Bioinformatics	3	CSCI 1300: Intro. to Obj-Oriented Prog.	4
MATH 1510: Calculus I	4	MATH 1520: Calculus II	4
Core: English 1900 or 1940	3	MATH 1660: Discrete Mathematics	3
BIOL 1240/1245: Principles of Biology I+lab	4	BIOL 1260/1265: Principles of Biology II+lab	4
Core: Foreign Language 1010	3	Core: Foreign Language 1020	3

Second Year			
Fall	17	Spring	16
CSCI 2100: Data Structures	4	CSCI 2400: Computer Architecture	3
MATH 3850: Found. Statistics	3	CSCI 2300: Object-Oriented Software Design	3
CHEM 1110/1115: General Chemistry I+lab	4	CHEM 1120/1125: General Chemistry II+lab	4
Core: Philosophy 2050 (Ethics)	3	Core: Philosophy 3410 (Computer Ethics)	3
Core: History 1110	3	Core: History 1120	3

Third Year			
Fall	18	Spring	15
CSCI 3100: Algorithms	3	CSCI 3300: Software Engineering	3
CSCI 3500: Operating Systems	3	CSCI 3200: Programming Languages	3
BIOL 3020: Molec/Cell Biology I	3	BIOL 3030: Genetics	3
Additional Mathematics (2000+)	3	Additional Mathematics (2000+)	3
Core: Theology 1000	3	Core: Social Science	3
Core: Literature	3		

Fourth Year			
Fall	14	Spring	14
CSCI 4961: Capstone Project I	2	CSCI 4962: Capstone Project II	2
Core: Fine and Performing Arts	3	CSCI Applications Course	3
Core: Theology 2xxx	3	Core: Social Science	3
CSCI Elective (BS+MS)	3	CSCI Elective (BS+MS)	3
BCB 5200: Intro. to Bioinformatics I	3	BCB 5250: Intro. to Bioinformatics II	3

Summer	3
Internship/Research	3

(highly-recommended as summer experience)

Fifth Year			
Fall	9	Spring	6
BCB 5300: Algorithms in Comp. Biology	3	BIOL 5030: Genomics	3
Group B choice	3	MS Elective	3
MS Elective	3	Bioinformatics Colloquium	0–1

Note: Students must satisfy the College's Diversity requirements, e.g. through choice of core electives