BS Biological Sciences
Bioinformatics

Fall Semester - Freshman		
BIOL 1004	Biology Orientation Seminar	1.0
BIOL 1105	Principles of Biology I	3.0
BIOL 1115	Principles of Biology LAB	1.0
CHEM 1035	General Chemistry I	3.0
CHEM 1045	General Chemistry LAB	1.0
ENGL 1105	First Year Writing I	3.0
MATH 1025 or	Elementary Calculus I	3.0
MATH 1225	Calculus of Single Variable I	
	Total	**15.0**

Spring Semester - Freshman		
BIOL 1106	Principles of Biology II	3.0
BIOL 1116	Principles of Biology LAB	1.0
CHEM 1036	General Chemistry II	3.0
CHEM 1046	General Chemistry LAB	1.0
ENGL 1106	First Year Writing II	3.0
MATH 1026 or	Elementary Calculus II	3.0
MATH 1226	Calculus of Single Variable II	
	Total	**14.0**

Fall Semester - Sophomore		
CHEM 2535	Organic Chemistry I	3.0
CHEM 2545	Organic Chemistry LAB	1.0
BIOL 2004	Genetics	3.0
BIOL 2214	Introduction to Computational Biology	3.0
BIOL 2804	Ecology	3.0
Pathways	Critical Thinking in Humanities	3.0
	Total	**16.0**

Spring Semester - Sophomore		
CHEM 2536	Organic Chemistry II	3.0
CHEM 2546	Organic Chemistry LAB	1.0
BIOL 2134	Cell Function Differentiation	3.0
STAT 3615	Biological Statistics	3.0
BIOL 2704	Evolutionary Biology	3.0
Pathways	Reasoning in Social Sciences	3.0
	Total	**16.0**

Fall Semester - Junior		
PHSY 2205	General Physics I	3.0
PHYS 2215	General Physics LAB	1.0
BIOL 2604	General Microbiology	3.0
Pathways	Advanced Discourse	3.0
BIOL 3824	Careers in Bioinformatics	3.0
Pathways	Critical Thinking in Humanities	3.0
	Total	**16.0**

Spring Semester - Junior		
PHYS 2206	General Physics II	3.0
PHYS 2216	General Physics LAB	1.0
BIOL 4134	Evolutionary Genetics	3.0
BIOL	BIOL Elective or Free Elective	3.0
Pathways	Crit & Pract in Design & Arts	3.0
Pathways	Reasoning in Social Sciences	3.0
	Total	**16.0**

Fall Semester - Senior		
BIOL 4814	Genomics of Infectious Disease	3.0
BIOL	BIOL Elective	3.0
	Free Elective	3.0
	Free Elective	3.0
Pathways	Identity & Equity in the US	3.0
	Total	**15.0**

Spring Semester - Senior		
BIOL 4824	Bioinformatics	3.0
Pathways	Crit & Pract in Design & Arts	3.0
	Free Elective	3.0
	Free Elective	3.0
	Free Elective	3.0
	Total	**15.0**