

**College of Science**  
 Bachelor of Science in Biological Sciences  
 Major in Biological Sciences (BIOL)  
 SAMPLE Academic Plan for students graduating calendar year 2022  
 Total of 120 credit hours needed for graduation

<b>Fall Semester Freshman 2018</b>		<b>Credits</b>	<b>Spring Semester Freshman 2019</b>		<b>Credits</b>
BIOL 1004		1	BIOL 1106 (Pathways Reasoning in the Natural Sciences)		3
BIOL 1105 (Pathways Reasoning in the Natural Sciences)		3	BIOL 1116		1
BIOL 1115		1	CHEM 1036		3
CHEM 1035		3	CHEM 1046		1
CHEM 1045		1	ENGL 1106 (Pathways Discourse- Foundational)		3
ENGL 1105 (Pathways Discourse- Foundational)		3	MATH 1026 or 1226 (Pathways Quantitative and Computational Thinking –Foundational)		3
MATH 1025 or MATH 1225 (Pathways Quantitative and Computational Thinking –Foundational)		3			
	<b>TOTAL</b>	15		<b>TOTAL</b>	14
<b>Fall Semester Sophomore 2019</b>		<b>Credits</b>	<b>Spring Semester Sophomore 2020</b>		<b>Credits</b>
CHEM 2535		3	CHEM 2536		3
CHEM 2545		1	CHEM 2546		1
BIOL 2004		3	BIOL 2134		3
BIOL 2304 OR 2504 OR 2604		3	STAT 3615 Pathways Quantitative and Computational Thinking –Advanced)		3
BIOL 2804		3	BIOL 2704		3
Pathways Critical Thinking in the Humanities		3	Pathways Reasoning in the Social Sciences		3
	<b>TOTAL</b>	16		<b>TOTAL</b>	16
<b>Fall Semester Junior 2020</b>		<b>Credits</b>	<b>Spring Semester Junior 2021</b>		<b>Credits</b>
PHYS 2205		3	PHYS 2206		3
PHYS 2215		1	PHYS 2216		1
BIOL ELECTIVE		3	BIOL ELECTIVE		3
Pathways Critical Thinking in the Humanities		3	Pathways Reasoning in the Social Sciences		3
BIOL ELECTIVE or Free Elective		3	BIOL ELECTIVE or Free Elective		3
Pathways Discourse – Advanced		3	Critique and Practice in Design and the Arts		3
	<b>TOTAL</b>	16		<b>TOTAL</b>	16
<b>Fall Semester Senior 2021</b>		<b>Credits</b>	<b>Spring Semester Senior 2022</b>		<b>Credits</b>
BIOL ELECTIVE		3	BIOL ELECTIVE		3
BIOL ELECTIVE		3	BIOL ELECTIVE		3
BIOL ELECTIVE		3	Critique and Practice in Design and the Arts		3
Pathways Critical Analysis of Identity and Equity in the US		3	Free ELECTIVE		3
FREE ELECTIVE		2	Free ELECTIVE		1
	<b>TOTAL</b>	14		<b>TOTAL</b>	13
<b>Twelve BIOL ELECTIVE credits must be at the 3000-4000 level.</b>					