

**College of Science**  
 Bachelor of Science  
 Major in Microbiology (BSMIC)  
 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>	<b>15</b>		<b>TOTAL</b>	<b>14</b>	
<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 2604	3		STAT 3615 Pathways Quantitative and Computational Thinking –Advanced)	3	
BIOL 2614	2		Critique and Practice in Design in the Arts	3	
Pathways Critical Thinking in the Humanities	3		Pathways Reasoning in the Social Sciences	3	
<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>16</b>	
<b>Fall Semester Junior 2020</b>		<b>Credits</b>	<b>Spring Semester Junior 2021</b>		<b>Credits</b>
PHYS 2205	3		BIOL 3104**	1	
PHYS 2215	1		BIOL 4634	3	
BIOL 3764	3		PHYS 2206	3	
BCHM 3114**	3		PHYS 2216	1	
BIOL 3774	3		Pathways Discourse – Advanced	3	
Pathways Critical Thinking in the Humanities	3		Pathways Reasoning in the Social Sciences	3	
<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>14</b>	
<b>Fall Semester Senior 2021</b>		<b>Credits</b>	<b>Spring Semester Senior 2022</b>		<b>Credits</b>
BIOL 4624	3		MICB Elective with Lab	4	
BIOL 4674***	3		MICB Elective with Lab	4	
BIOL 4724***	2		Critique and Practice in Design in the Arts	3	
MICB Elective without Lab	3		Free ELECTIVE	3	
Pathways Critical Analysis of Identity and Equity in the US	3		Free ELECTIVE	2	
<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>16</b>	
<p>* BIOL 1115 and 1116 were inadvertently omitted from the 2021-2022 checksheet but are listed because most students will complete them  **or take BIOL 4644  ***or take BIOL 4704 and 4714 during Spring 2022 and take MICB elective with Lab this semester</p>					