

## Sample 4-Year Schedule for Biology – Secondary Education Major Bachelor of Science 144 Hours

This plan assumes that the College Algebra requirement has been met or that the student has a Math ACT score of 25 or higher.

<b>Freshman</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
BI 102 – General Cellular Biology	5	BI 103 – General Organismal Biology	5
CH 151 – Fundamentals of Chemistry I	5	CH 152 – Fundamentals of Chemistry II	5
EN 101 – English Composition	3	ED 155 - Teaching, Learning, and Leadership	3
WU 101 – Washburn Experience	3	Social Science General Education	3
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>
<b>Sophomore</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
BI 202 – Biology of Behavior	3	BI 301 - General Microbiology	4
BI 275 – Human Anatomy*	4	CH 341 - Organic Chemistry II Lecture**	3
CH 340 - Organic Chemistry I Lecture	3	CH 343 - Organic Chemistry II Lab*	2
CH 342 - Organic Chemistry I Lab	2	ED 165 - Ed.1 Examining Teaching as a Profession	3
ED 255 - Becoming an Educational Professional	3	MA 117 - Trigonometry***	3
AR/MU/TH General Education	3		
<b>TOTAL</b>	<b>18</b>	<b>TOTAL</b>	<b>18</b>
<b>Junior</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
BI 340 – Evolutionary Biology (Fall only)	3	BI 155 - Sexually Transmitted Diseases	1
BI 255 – Human Physiology**	4	BI 310 – General Ecology (Spring only)	4
PS 261 – College Physics I	5	PS 262 – College Physics II	5
EN 300 – Adv. College Writing (Ed Emph)	3	MA 140 - Statistics	3
Humanities General Education	3	Social Science General Elective	3
<b>TOTAL</b>	<b>18</b>	<b>TOTAL</b>	<b>16</b>
<b>Senior</b>			
<b>Fall Semester</b>		<b>Spring Semester</b>	
BI 333 - General Genetics	4	BI 390 – Biology Seminar	1
BI 395 – Biology Research	1	ED 352 – Methods of Teaching Science <sup>#</sup>	3
ED 295 - Ed. 3 Experiencing Teaching as a Profession	3	ED 395 - Ed. 4 Extending Teaching as a Profession	3
ED 302 - Teaching Exceptional Learners	3	Social Science General Education	3
ED 354 - Curriculum and Assessment	3	Humanities General Education	3
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>13</b>

<b>Senior II</b>			
<b>Fall Semester 2021</b>			
ED 400 - Understanding the School	2		
ED 405 - Classroom Management	1		
ED 410 – Secondary Student Teaching	12		
<b>TOTAL</b>	<b>15</b>		

\*The following course substitutions exist: BI 275 for BI 250, BI 325 for BI 155, BI 300 for BI 310, and BI 330 for BI 255.

\*\*Organic Chemistry II is one of several options to earn 5 additional hours of 300-level CH required to satisfy the Natural Science Minor (please consult your advisor)

\*\*\*May substitute either MA 123 (3) or MA 151 (5) to satisfy the prerequisite for PS 261 and PS 262

#The following course substitutions exist: SE 476 for ED 302, ED 350 for ED 352, and ED 472 for ED 385.

+It is recommended that students test out of CM 101.

Note: Some courses may be taken during the summer sessions (not shown in above schedule) to help reduce the number of hours during the fall and spring semesters. Additionally, some Biology elective courses are offered only in the summer. Please consult the Biology Department's web site for more information.