

Minimum Hours: 120

# Biology (BS)

## Secondary Licensure Option (6-12)

2022-2023 Catalog

FRESHMAN – Fall Semester		Hours	FRESHMAN – Spring Semester		Hours
COL 100 Bryan Gateway Seminar		1	MATH 211 Elementary Statistics		3
CT 113 Critical Survey of Worldviews		3	<b>BIO 211 Principles of Biology</b>		4
ENG 109 College Writing I <u>OR</u> ENG 111 Freshman English*		3	<b>CHEM 132 General Chemistry II</b>		4
BIO 111 Introduction to Biology		3/1	<b>EDUC 119 Intro to Teaching</b>		3
<b>CHEM 131 General Chemistry I</b>		4	(ENG 110 College Writing II)		
<b>TOTAL HOURS</b>		<b>15</b>	<b>TOTAL HOURS</b>		<b>14</b>
SOPHOMORE – Fall Semester			SOPHOMORE – Spring Semester		
BIB 222 Old Testament Literature & Interpretation		3	BIB 224 New Testament Literature & Interpretation		3
HIS General Survey Course (100/200 level)		3	PSY 330 Life-Span Development		3
Christian Studies Elective (BIB/CM/CT/PHIL/GRK/HEB)		3	Choose <b>ONE</b> of the following: CSCI 116, 325, ECFN 100/200, PSGS 221, 226, 315, SS 211 <u>or</u> foreign language		3
<b>EDUC 224 Human Learning</b>		3	<b>PHYS 213 Geo-Physical Science Survey</b>		4
<b>BIO 340 Environmental Ecology**</b>		4	<b>EDUC 311 Instructional Technology</b>		3
<b>TOTAL HOURS</b>		<b>16</b>	<b>TOTAL HOURS</b>		<b>16</b>
JUNIOR – Fall Semester			JUNIOR – Spring Semester		
COMM 111 Intro to Communication		3	<b>BIO 310 Philosophy of Science</b>		3
PHIL 348 Principles of Bioethics (Christian Studies core)		3	<b>EDUC 226 Classroom Management</b>		2
<b>EDUC 323 Tests &amp; Measurements</b>		2	<b>EDUC 324 Exceptional Children</b>		2
<b>EDUC 340 Curriculum Design</b>		2	<b>EDUC 338 Universal Teaching Methods</b>		3
<b>EHS 221 Safety Education &amp; First Aid</b>		2	<b>EHS 222 School &amp; Community Health</b>		2
<b>BIO 317 History of Life**</b>		3	<b>BIO 210 Intro to Anatomy &amp; Physiology</b>		4
<b>TOTAL HOURS</b>		<b>15</b>	<b>TOTAL HOURS</b>		<b>16</b>
SENIOR – Fall Semester			SENIOR – Spring Semester		
Choose <b>ONE</b> of the following: ENG 100/200, FA 211, FLM 210, MUS 100/200, or THT 100/200 (excludes ENG 245, lessons, ensembles, practicums)		3	<b>EDUC 440 Education Capstone</b>		2
Free electives		2	<b>EDUC 442 Student Teaching</b>		12
<b>EDUC 420 Philosophy of Education</b>		2			
<b>BIO 115 Environmental Science</b>		3	<i>No additional courses can be taken</i>		
<b>BIO 440 Methods of Teaching Science</b>		4	<i>concurrent with EDUC 440/442</i>		
<b>TOTAL HOURS</b>		<b>14</b>	<b>TOTAL HOURS</b>		<b>14</b>

\*Students are required to take either ENG 109/110 College Writing I *and* II (6 credits) *OR* ENG 111 Freshman English (3 credits). Placement in ENG 111 requires an ACT *English* score of at least 21 *OR* an SAT Evidence-Based Reading & Writing score of at least 530 *OR* CLT score of at least 68. Students who are placed in the ENG 109-110 sequence will need to take ENG 110 in the spring semester of the freshman year.

\*\*Offered Alternate Years

This document is to be used for planning purposes only. Please refer to the academic catalog for complete information. Course planning should be completed in consultation with your academic adviser. Not all courses are offered every semester or every year.