

**B.A. in BIOLOGICAL SCIENCE
CONCENTRATION IN BIOLOGY EDUCATION (AY 2020-2021)**

<i>Lower Division BIOL Courses</i>	<i>Units</i>
BIOL 140A Principles of Cell & Molecular Biology	5
BIOL 140B Principles of Organismal Biology	5
	subtotal 10
<i>Lower Division Physical Science and Math Courses</i>	<i>Units</i>
CHEM 111, 112 General Chemistry I & II (5,5)	10
CHEM 230 Survey of Organic Chemistry	5
GEOL 100 Earth Systems Science	4
MATH 120 Precalculus	3
PHYS 115 Elementary Physics	3
	subtotal 25
<i>Upper Division Biology Courses</i>	<i>Units</i>
BIOL 310 Genetic Analysis I	4
BIOL 320 Evolutionary Biology	3
BIOL 330 General Microbiology	5
BIOL 350 Ecology	4
BIOL 370 Animal Physiology	4
Any two, upper division BIOL electives (including up to 2 units of Indep. Study)	6
	subtotal 26
<i>Upper Division Teacher Education and Statistics Courses</i>	<i>Units</i>
PHIL 371 Philosophy of Education	3
SCI 308 Hands on Science Teaching	1
TED 301 Introduction to Education	3
STAT 303 Statistical Methods in Biology	3
	subtotal 10
<i>Capstone Course (choose <u>ONE</u> of the following)</i>	<i>Units</i>
TED 302 Introduction to Teaching	3
BIOL 426 Advanced Molecular and Cell Biology	3
BIOL 430 Microbial Physiology and Metabolism	3
BIOL 469 Conservation Biology	4
BIOL 488 Environmental Physiology	3
	subtotal 3-4

DEGREE: B.A. in Biological Science (AY 2020-21)

CONCENTRATION: Biology Education

Graduation Semester: _____

Name (Last, First): _____

Net ID: _____

LOWER DIVISION BIOLOGY COURSES

Course	Grade	Semester & Year	Units	College/University Where Equivalent Course Was Taken	Equivalent Course Number	Assist.org Verification
BIOL 140A	5	.....	.....	.....
BIOL 140B	5	.....	.....	.....

LOWER DIVISION PHYSICAL SCIENCE AND MATH COURSES

CHEM 111	.....	.....	5	.....	.....	.....
CHEM 112	.....	.....	5	.....	.....	.....
CHEM 230	.....	.....	5	.....	.....	.....
GEOL 100	.....	.....	4	.....	.....	.....
MATH 120	.....	.....	3	.....	.....	.....
PHYS 115	.....	.....	3	.....	.....	.....

UPPER DIVISION BIOLOGY COURSES

BIOL 310	.....	.....	4	.....	.....	.....
BIOL 320	.....	.....	3	.....	.....	.....
BIOL 330	.....	.....	5	.....	.....	.....
BIOL 350	.....	.....	4	.....	.....	.....
BIOL 370	.....	.....	4	.....	.....	.....

UPPER DIVISION BIOLOGY ELECTIVES (6 units minimum, including up to 2 units of Independent Study)

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UPPER DIVISION NON-BIOLOGY COURSES

PHIL 371	3
SCI 308	1
TED 301	3
STAT 303	3

CAPSTONE COURSE (ONE of the following)

TED 302	.....	.....	3	.....	.....	.....
BIOL 426	.....	.....	3	.....	.....	.....
BIOL 430	.....	.....	3	.....	.....	.....
BIOL 469	.....	.....	4	.....	.....	.....
BIOL 488	.....	.....	3	.....	.....	.....

Total Units for Concentration: (74 min.) _____

Note: A C- or better required in all courses that serve as a prerequisite.

Advisor Signature: _____

Date: _____

Dept. Chair Signature: _____

Date: _____