

**BS BIOLOGY
2022-2023**

Name: _____ ID#: _____ Anticipated Grad Date: _____

MAJOR REQUIREMENTS:

Required course: (33 semester hours)

<u>Cr Hrs.</u>	<u>Course</u>	<u>Term</u>	<u>Grade</u>
BIO 120 Intro to Biology II: Cellular and Molecular Biology..... 4	_____	_____	_____
BIO 121 Intro to Biology I: Ecology and Evolutionary Biology..... 4	_____	_____	_____
BIO 240 Biodiversity 4	_____	_____	_____
SCI 494 Senior Project I OR 469 Senior Internship 2	_____	_____	_____
SCI 495 Senior Project II 2	_____	_____	_____

Select 7-8 hours from cellular level courses:

BIO 310 Developmental Biology..... 4	_____	_____	_____
BIO 320 Genetics 4	_____	_____	_____
BIO 360 Microbiology 4	_____	_____	_____
CHE 301 Biochemistry..... 3	_____	_____	_____

Select 9 hours from organismal and ecological level courses:

BIO 245 General Ecology 4	_____	_____	_____
BIO 250 Entomology..... 4	_____	_____	_____
BIO 260 Plant Biology..... 3	_____	_____	_____
BIO 281 Animals & Plants of the Southern Appalachians, Fall 3	_____	_____	_____
BIO 282 Animals & Plants of the Southern Appalachians, Spring 3	_____	_____	_____
BIO 330 Evolutionary Biology 3	_____	_____	_____
BIO 340 Conservation Biology 3	_____	_____	_____

Required Mathematics & Natural Science Courses (23 semester hours)

Select one MAT course above MAT 111 (MAT 141 or MAT 221 and

MAT 221 recommended).....3 _____

CHE (Select four lab-based courses above CHE 102) (16 Hours)

CHE 4	_____	_____	_____
CHE 4	_____	_____	_____
CHE 4	_____	_____	_____
CHE 4	_____	_____	_____

(Professional schools require CHE 183, 184, 201, 202 with labs; CHE 301 may not count both here and in required Biology courses)

Select a physical science, lab-based course: from PHY (4 semester hours)

PHY..... 4 _____

Note: Professional schools require PHY 103 and 104 with labs)

TOTAL HOURS REQUIRED

MINIMUM 56 SEMESTER HOURS

TEACHER LICENSURE IN SCIENCE (GRADES 9 – 12)

EDU 205 21 Century Teacher & Learner.....	3			
EDU 220 Educational Psychology.....	3			
OR PSY 230 Life-Span Development.....	3			
EDU 303 Diverse and Exceptional Learners.....	3			
EDU 304 Educational Technology: Teaching in the Digital Age.....	3			
EDU 305 Facilitation of Learning.....	3			
EDU 340 Secondary Methods.....	3			
EDU 401 Student Teaching Seminar.....	2			
EDU 402 Student Teaching – Secondary.....	14			
PSY 101 Introduction to Psychology.....	3			
WLE 220 Theory and Practice of Experiential Education.....	3			

TOTAL ADDITIONAL HOURS

MINIMUM 40 SEMESTER HOURS

GRADUATION REQUIREMENTS:

- Minimum 124 semester hours
- Minimum cumulative GPA of at least 2.0 in all coursework at Brevard and minimum cumulative GPA of at least 2.0 in all courses required for major. Some majors may have more stringent requirements (see major requirements in catalog)
- Complete a minimum of 32 semester hours at Brevard and complete 50% of major requirements at Brevard.
- Errors contained on the checklist do not release the student from meeting graduation requirements as stated in the catalog