

B.S. BIOLOGY
2023-2024

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

MAJOR REQUIREMENTS:

| <u>Cr Hrs.</u> | <u>Course</u> | <u>Term</u> | <u>Grade</u> |
|---|---|-------------|--------------|
| <i>Required courses: (33 semester hours)</i> | | | |
| 4 | BIO 120 Intro to Cellular and Molecular Biology | _____ | _____ |
| 4 | BIO 121 Intro to Ecology and Evolutionary Biology..... | _____ | _____ |
| 4 | BIO 240 Biodiversity | _____ | _____ |
| 2 | SCI 494 Senior Project I OR 469 Senior Internship | _____ | _____ |
| 2 | SCI 495 Senior Project II | _____ | _____ |
| <i>Select 7-8 hours from cellular and molecular level courses:</i> | | | |
| 4 | BIO 320 Genetics | _____ | _____ |
| 4 | BIO 360 Microbiology | _____ | _____ |
| 3 | CHE 301 Biochemistry..... | _____ | _____ |
| <i>Select 9 hours from organismal and ecological level courses:</i> | | | |
| 4 | BIO 245 General Ecology | _____ | _____ |
| 4 | BIO 250 Entomology..... | _____ | _____ |
| 3 | 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 | _____ | _____ |
| <i>Required Mathematics & Natural Science Courses (23 semester hours)</i> | | | |
| <i>Select one MAT course above MAT 111</i> | | | |
| 3 | MAT | _____ | _____ |
| <i>CHE (Select four lab-based courses above CHE 102) (16 Hours)</i> | | | |
| 4 | CHE | _____ | _____ |
| 4 | CHE | _____ | _____ |
| 4 | CHE | _____ | _____ |
| 4 | CHE | _____ | _____ |
| <i>(Professional schools require CHE 183, 184, 201, 202 with labs; CHE 301 may not count both here and in required Biology courses)</i> | | | |
| <i>Select a physical science, lab-based course: from GEO or PHY (4 hours)</i> | | | |
| 4 | GEO or PHY | _____ | _____ |

Note: Professional schools require PHY 103 and 104 with labs – these courses have MAT 121 as a prerequisite.

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

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| <p>GRADUATION REQUIREMENTS:</p> <ul style="list-style-type: none"> • 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 |
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