

Francis Marion University

Department of Biology

Faculty Advisor: _____

Name: _____

ID #: _____

Email: _____

Phone: _____

Address: _____

PROGRAM SHEET for B.S. in BIOLOGY with Secondary Education Option¹

A B.S. in Biology requires a **total of ≥ 127 hrs** of coursework and includes: 36-37 hrs of general education courses, 49 hrs of science coursework, and 42 hrs of education coursework.

| General Education Coursework (36 hrs + ULife) | | Semester hrs | Science Coursework (49-51 hrs) | | Semester hrs |
|--|--|--------------|---|--|--------------|
| ____ University Life ² | | 1 | INTRODUCTORY COURSEWORK | | |
| Basic Communications (12 hrs) | | | ____ BIOL 105/115L: Biological Sciences I & Lab | | 3+1 |
| ____ ENG 101: Analysis & Argument (OR English 101E) | | 3 | OR | | |
| ____ ENG 102: Rhetoric, Genre, & Research | | 3 | ____ BIOL 107: Integrated Bio Concepts I & Lab | | 4 |
| ____ SPCH 101 | | 3 | AND | | |
| Mathematics (6 hrs) – Minimum 6 hrs MATH 111 and higher; must be through MATH 132 | | | ____ BIOL 106: Biological Sciences II & Lab | | 4 |
| ____ MATH _____ | | 3 | OR | | |
| ____ MATH _____ | | 3 | ____ BIOL 108: Integrated Bio Concepts II & Lab | | 4 |
| Social Sciences (9 hrs) – 3 hrs from Political Science 101 or 103; 6 hrs from Anthropology, Economics, Geography, Political Science, or Sociology; no more than 6 hrs from any single discipline | | | ORGANISMAL BIOLOGY – 4 hrs from one of the following: | | |
| ____ POL 101 / 103 | | 3 | ____ BIOL 201 / 202 / 206 / 207 / 208 / 209 / 303 / 307 / 311 / 312 / 313 / 315 / 320 | | 4 |
| ____ _____ | | 3 | ECOLOGY – 4 hrs from one of the following: | | |
| ____ _____ | | 3 | ____ BIOL 308 / 314 / 317 / 318 / 402 / 411 / 412 | | 4 |
| Humanities (12 hrs) – 3 hrs from <u>each</u> of Literature, Appreciation (Art, Music, or Theater), and History; 3 additional hrs from Literature, History, Music, Art, Theater, or Philosophy and Religious Studies | | | CELL BIOLOGY – 4 hrs from one of the following: | | |
| ____ LIT _____ | | 3 | ____ BIOL 301 / 302 / 407 | | 4 |
| ____ APP _____ | | 3 | GENETICS – 4 hrs from one of the following: | | |
| ____ HIST _____ | | 3 | ____ BIOL 401 / 409 | | 4 |
| ____ _____ | | 3 | ____ BIOL 413 & 497: Bio Research Methods & Sp. Studies | | 4-6 |
| | | | ____ BIOL 499: Senior Seminar | | 1 |
| | | | BIOLOGY ELECTIVES – 4 hrs total; 1 course w/ lab required | | |
| | | | ____ BIOL _____ | | 4 |
| | | | CHEMISTRY & PHYSICS COURSEWORK | | |
| | | | ____ CHEM 101: General Concepts in Chemistry & Lab | | 4 |
| | | | ____ CHEM 102: Introduction to Inorganic Chemistry & Lab | | 4 |
| | | | ____ CHEM 201: Organic Chemistry I & Lab | | 4 |
| | | | ____ PHYS 215: General Physics I & Lab | | 4 |
| Education Coursework (42 hrs) | | | Semester hrs | | |
| Pre-Professional Education (does not require admission into School of Education) | | | | | |
| ____ EDUC 190/191 (co-requisites): Foundations of Education | | | | | 4 |
| ____ EDUC 305: Foundations of Curriculum & Instruction | | | | | 3 |
| ____ EDUC 310: Using Technology Effectively in the Classroom | | | | | 3 |
| ____ EDUC 311: Foundations of Instructional Planning & Assessment | | | | | 3 |
| ____ EDUC 322: Foundations in the Instruction of Reading | | | | | 3 |
| ____ EDUC 420: Introduction to the Exceptional Learner | | | | | 3 |
| Professional Education (requires admission to School of Education) | | | | | |
| ____ EDUC 313: Field Experiences in Instructional Planning & Assessment | | | | | 1 |
| ____ EDUC 393/437 (corequisite): Clinical Experience: Secondary/Teaching Science in the Secondary School | | | | | 5 |
| ____ EDUC 411: Reading & Writing in the Content Areas | | | | | 3 |
| Student Teaching Block (requires admission to School of Education) | | | | | |
| ____ EDUC 487: Classroom Management | | | | | 3 |
| ____ EDUC 490: Directed Teaching | | | | | 12 |

Notes:

- ¹ This sheet is based on the 2018-2019 FMU Catalog. Requirements may change according to whichever catalog the student wishes to follow (either the catalog they came in under OR the catalog under which they will graduate).
- ² Strongly recommended. Not required for transfer students.
- ^{**} Once 87 hours have been completed, students must make an appointment to speak with the Registrar's office to review graduation requirements.