

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.