

Francis Marion University
 Department of Biology
 Faculty Advisor: _____

Name: _____ ID #: _____
 Email: _____ Phone: _____
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PROGRAM SHEET for B.S. in BIOLOGY^{1, 2}

A B.S. in Biology requires a total of **≥ 120 hrs** of coursework and includes: 36 hrs of general education courses (37 hrs if ULife is included), 53 hrs of science coursework, coursework to satisfy either a minor or two collaterals (see below), and additional courses to bring the total to 120 hrs.

General Education Coursework (36 hrs + ULife)	Semester hrs	Science Coursework (53 hrs)	Semester hrs
_____ University Life ³	1	<u>INTRODUCTORY COURSEWORK</u>	
Basic Communications (12 hrs)		_____ BIOL 105 & 115L: Biological Sciences I & Lab	3+1
_____ ENG 101: Analysis & Argument (OR English 101E/101L)	3	OR	
_____ ENG 102: Rhetoric, Genre, & Research	3	_____ BIOL 107: Integrated Bio Concepts I & Lab	4
_____ SPCH 101	3	AND	
Mathematics (6 hrs)		_____ BIOL 106: Biological Sciences II & Lab	4
_____ MATH 111: College Algebra II	3	OR	
_____ MATH 132: College Trig. With Analytic Geometry	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		<u>CELL BIOLOGY</u> – 4 hrs from one of the following:	4
_____ POL 101 / 103	3	_____ BIOL 301 / 302 / 407	
_____ _____	3	GENETICS – 4 hrs from one of the following:	4
_____ _____	3	_____ BIOL 401 / 409	
Humanities (12 hrs) – 3 hrs from each of Literature, Appreciation (Art, Music, or Theater), and History; 3 additional hrs elected from Literature, History, Music, Art, Theater, or Philosophy and Religious Studies		<u>ORGANISMAL BIOLOGY</u> – 4 hrs from one of the following:	4
_____ LIT _____	3	_____ BIOL 201 / 202 / 206 / 207 / 208 / 209 / 303 / 307 / 311 / 312 / 313 / 315 / 320	
_____ APP _____	3	<u>ECOLOGY</u> – 4 hrs from one of the following:	4
_____ HIST _____	3	_____ BIOL 308 / 314 / 317 / 318 / 402 / 411 / 412	
_____ _____	3	_____ BIOL 499: Senior Seminar	1
General Elective Courses (approximately 12-13 additional hrs) - List additional elective courses in the chart provided on the back side of this page.		<u>BIOLOGY ELECTIVES</u> – 8 hrs total; 2 courses required above the 100- level; only 2 courses from 206, 207, 208 series	
		_____ BIOL _____	4
		_____ BIOL _____	4
		_____ BIOL _____	
		_____ BIOL _____	
		<u>SUPPORTING SCIENCE COURSEWORK</u>	
		_____ 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	4
		_____ PHYS 216: General Physics II & Lab ⁴	4

One 18-hr minor **OR** two 12-hr collaterals are required. By completing 2 additional chemistry courses, Biology majors satisfy requirements for a chemistry minor. Alternatively, completion of the chemistry courses listed above, and 12 hrs in a second field of study satisfies the collateral option (some General Education courses may count towards the second collateral, but speak with faculty in the respective department).

Chemistry Minor option	
	Semester hrs
_____ CHEM 202	4
_____ CHEM 203 / 301* / 302* / 303* / 402* / 404 / 405* / 407*	3 or 4
Add hrs from CHEM 101, 102, and 201	+ 12
* permission from chemistry chair required	19 or 20
To complete an alternative minor, check respective department requirements in FMU catalog.	

Chemistry Collateral option		
Chemistry Collateral	Second Collateral	Semester hrs
	_____	3
12 hrs	_____	3
COMPLETED	_____	3
	_____	+ 3
	_____	12
Department-specific requirements of the second collateral (and alternative to Chemistry) can be found in FMU catalog.		

OR

Chart for General Elective Courses:

Additional courses: Department, Course number, Semester hrs (complete as many as necessary to bring total coursework to 120 hrs) ⁵			

Notes:

- ¹ This sheet is based on the 2018-2019 FMU Course 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 For B.A. in Biology, coursework requires 12 hrs of Foreign Language courses, including completion of a 202 level course and 3 additional Social Science or Humanity hrs.
- ³ Strongly recommended. Not required for transfer students.
- ⁴ Alternatively can take PHYS 200, 201, and 202, but must take all three in the series.
- ⁵ Once 87 hrs have been completed, students must make an appointment to speak with the Registrar office to review graduation requirements.