

2027 Academic Planning Form: BIOLOGY/SECONDARY EDUCATION B.A.

5/18/2023

1st courses recommended for Biology - BIO 103

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1 st Year	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	
	BIO 103 General Biology I (Natural Science Core)	4	BIO 104 General Biology II	4	
	CHM 101 General Chemistry I (Natural Science Core)	4	CHM 102 General Chemistry II	4	
	MTH 109 Calculus I (Quantitative Reasoning Core)	3	Core	3	
		15		15	
2 nd Year	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	CHM 201 Organic Chemistry I	4	BIO 200 Int. Cell Bio & Mol. Genetics (Intensive Writing II Proficiency)	3	
	EDU 201 Educational Psychology (Social Science Core)	3	EDU 206 & 206L Principles of Sec. Ed. w/ Lab	4	
	Science Elective	3	Core	3	
		14		14	
3 rd Year	BIO Elective w/ Lab (Ecology)	4	BIO Elective w/ Lab	4	
	EPS 101 General Physics I	4	EDU 303 & 303L Child w/ Sp. Needs in Reg Class w/ Lab	4	
	EDU 401 & 401L Educational Measurement w/ Lab	4	Science Elective	3	
	Science Elective	3	Core	3	
	Core	3	Core	3	
		18		17	
4 th Year	Bio Elective w/ Lab (Physiology)	4	EDU 301 Foundations of Education (Civic Engagement Proficiency)	3	
	EDU 412 & 412L Teaching Science in Sec. Schools w/ Lab	4	EDU 450 Student Teaching (Oral Communication Proficiency)	9	
	Science Elective	3	EDU 449 Classroom Management (1 cr.)	1	
	Core	3	Core	3	
	Core	3			
		17		16	
Graduation Requirement includes a minimum of 120 credit hours			Total Program of Study Credits		126
**BIOE BA Majors fulfill the Natural Science, Social Science and Quantitative Reasoning Cores; the Intensive Writing II, Oral Communication and Civic Engagement Proficiencies.					
Note: Secondary Education majors have a two step process to declare, including a basic skills test mandated by the Rhode Island Department of Education and a cumulative GPA of at least 2.5. (This program of study provides certification in Biology and General Science)					
Core requirements include a foundational component and satisfaction of all proficiencies.					
Foundational Component:			Proficiencies:		
<ul style="list-style-type: none">DWC - 4 semester sequence, 16-20 cr.Theology (200 & 300 level) - 6 cr.Philosophy (1 Ethics) - 6 cr.Natural Science - 3 cr. (BIO 103 or CHM 101)**Social Science - 3 cr. (EDU 201)**Quantitative Reasoning - 3 cr. (MTH 109 or higher)**Fine Arts - 3 cr.			<ul style="list-style-type: none">Intensive Writing - IIntensive Writing - II (BIO 200)**Diversity (EDU 211 suggested)Civic Engagement (EDU 301)**Oral Proficiency (EDU 450)**		
Major Requirements (BIOE BA Courses):					
<ul style="list-style-type: none">BIO 103, BIO 104, BIO 2003 BIO Electives w/ Lab (Ecology and Physiology strongly recommended)4 Science Electives above 100 level from BIO, CHM, EPS MTH, CSC (EPS 102, MTH 110, MTH 131, MTH 132 are allowed)MTH 109 or higherCHM 101, CHM 102, CHM 201EPS 101EDU 201, 206, 206L, 301, 303, 303L, 401, 401L, 412, 412L 449, 450					