

2026 Academic Planning Form: BIOLOGY/SECONDARY EDUCATION B.S.

As of 5/18/2022

	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	MTH 110 Calculus II	3		
		15		15		30
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		
	BIO Elective	4	CHM 202 Organic Chemistry II	4		
		15		15		30
3 rd Year	BIO Elective w/ Lab (Ecology)	4	BIO Elective w/ Lab	4		
	EPS 101 General Physics I	4	EPS 102 General Physics II	4		
	EDU 401 & 401L Educational Measurement w/ Lab	4	EDU 303 & 303L Child w/ Sp. Needs in Reg Class w/ Lab	4		
	Core	3	Core	3		
	Core	3	Core	3		
		18		18		36
4 th Year	Bio Elective w/ Lab (Physiology)	4	EDU 301 Foundations of Education (Civic Engagement Proficiency)	3		
	BIO Elective	3	EDU 450 Student Teaching (Oral Communication Proficiency)	9		
	EDU 412 & 412L Teaching Science in Sec. Schools w/ Lab	4	EDU 449 Classroom Management (1 cr.)	1		
	Core	3	Core	3		
	Core	3				
		17		16		33
Graduation Requirement includes a minimum of 120 credit hours			Total Program of Study Credits		129	
**BIOE BS Majors fulfill the Natural Science, Social Science and Quantitative Reasoning Cores; the Intensive Writing II, Oral Communication and Civic Engagement Proficiencies as indicated.						
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)**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 BS Courses):						
<ul style="list-style-type: none">BIO 103-104, 2005 BIO Electives, 3 must be lab courses (4 cr. each)MTH 109 or higherCHM 101-102, 201-202			<ul style="list-style-type: none">EPS 101-102EDU 201, 206, 206L, 301, 303, 303L, 401, 401L, 412, 412L 449, 450			