

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

5/18/2023

1st courses recommended for Biology - BIO 103

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1st 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
2nd 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
3rd 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	
4th 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 - I Intensive Writing - II (BIO 200)** Diversity (EDU 211 suggested) Civic Engagement (EDU 301)** Oral Proficiency (EDU 450)**

Major Requirements (BIOE BS Courses):

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| <ul style="list-style-type: none"> BIO 103, BIO 104, BIO 200 5 BIO Electives, 3 must be lab courses (4 cr. each) MTH 109 or higher CHM 101, CHM 102, CHM 201, CHM 202 | <ul style="list-style-type: none"> EPS 101, EPS 102 EDU 201, 206, 206L, 301, 303, 303L, 401, 401L, 412, 412L 449, 450 |
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