

**Providence College - Biology/Secondary Education B.S.
Class of 2029**

Core Requirements	Credits
Development of Western Civilization (4)	16
Ethics	3
Philosophy	3
Fine Arts	3
Quantitative Reasoning	MTH 109 (3)
Natural Science	BIO 103 (4)
Social Science	EDU 201 (3)
Theology 200 Level	3
Theology 300 Level	3
Intensive Writing I Proficiency	3
Intensive Writing II Proficiency	BIO 200 (3)
Oral Communication Proficiency	EDU 450 (3)
Diversity Proficiency	3
Civic Engagement Proficiency	EDU 301 (3)

Major Requirements	Credits
BIO 103 - General Biology I	4
BIO 104 - General Biology II	4
BIO 200 - Cell Biology & Molecular Genetics	3
BIO Electives (5 total, 3 must be w/ Lab)	18
MTH 109 - Calculus I	3
MTH 110 - Calculus II	3
CHM 101 - General Chemistry I	4
CHM 102 - General Chemistry II	4
CHM 201 - Organic Chemistry I	4
CHM 202 - Organic Chemistry II	4
EPS 101 - General Physics I	4
EPS 102 - General Physics II	4
EDU 201 - Educational Psychology	3
EDU 206/206L - Principles of Secondary Ed.	4
EDU 301 - Foundations of Education	3
EDU 303/303L - Child w/ Sp. Needs in Reg. Class	4
EDU 401/401L - Educational Measurement	4
EDU 412/412L - Teaching Science in Sec. Schools	4
EDU 449 - Classroom Management	1
EDU 450 - Student Teaching	9

Graduation Requirements / Degree Notes
- Students at Providence College must complete 120 credits, which includes both their core and major requirements.
- BIOE BS Majors fulfill the Natural Science, Social Science, and Quantitative Reasoning Cores, along with the Intensive Writing II, Oral Communication and Civic Engagement Proficiencies.
- Secondary Education majors have a two-step process to declare, including a basic skills test or completion of a 1-credit course mandated by the Rhode Island Board of Education and a cumulative GPA of at least 2.5. (This program of study provides a certification in Biology and General Science.)
- Students at PC need a minimum GPA of 2.0 to graduate.

FRESHMAN YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
DWC 101	Development of Western Civilization I	4	DWC 102	Development of Western Civilization II	4
BIO 103	General Biology I (Natural Science)	4	BIO 104	General Biology II	4
CHM 101	General Chemistry I	4	CHM 102	General Chemistry II	4
MTH 109	Calculus I (Quantitative Reasoning)	3	MTH 110	Calculus II	3
TOTAL		15	TOTAL		15
					30

SOPHOMORE YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
DWC 201	Development of Western Civilization III	4	DWC 202	Development of Western Civilization IV	4
CHM 201	Organic Chemistry I	4	CHM 202	Organic Chemistry II	4
EDU 201	Educational Psychology (Social Science)	3	BIO 200	Cell Biology & Molecular Genetics (Intensive Writing II) or BIO Elective	3
BIO 200	BIO 200/BIO Elective	4	EDU 206/206L	Principles of Secondary Education w/ Lab	4
TOTAL		15	TOTAL		15
					30

JUNIOR YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
	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/ Special Needs in Reg. Class w/ Lab	4
	CORE	3		CORE	3
	CORE	3		CORE	3
TOTAL		18	TOTAL		18
					36

SENIOR YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
	BIO Elective w/ Lab (Physiology)	4	EDU 301	Found. of Education (Civic Engagement)	3
	BIO Elective	3	EDU 450	Student Teaching (Oral Communication)	9
EDU 412/412L	Teaching Science in Sec. Schools w/ Lab	4	EDU 449	Classroom Management	1
	CORE	3		CORE	3
	CORE	3			
TOTAL		17			16
					33
TOTAL PROGRAM OF STUDY CREDITS					129