

**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	<i>MTH 109</i> (3)
Natural Science	<i>BIO 103</i> (4)
Social Science	<i>EDU 201</i> (3)
Theology 200 Level	3
Theology 300 Level	3
Intensive Writing I Proficiency	3
Intensive Writing II Proficiency	<i>BIO 200</i> (3)
Oral Communication Proficiency	<i>EDU 450</i> (3)
Diversity Proficiency	3
Civic Engagement Proficiency	<i>EDU 301</i> (3)

Major Requirements	Credits
<b>BIO 103</b> - General Biology I	4
<b>BIO 104</b> - General Biology II	4
<b>BIO 200</b> - Cell Biology & Molecular Genetics	3
<b>BIO Electives</b> (5 total, 3 must be w/ Lab)	18
<b>MTH 109</b> - Calculus I	3
<b>MTH 110</b> - Calculus II	3
<b>CHM 101</b> - General Chemistry I	4
<b>CHM 102</b> - General Chemistry II	4
<b>CHM 201</b> - Organic Chemistry I	4
<b>CHM 202</b> - Organic Chemistry II	4
<b>EPS 101</b> - General Physics I	4
<b>EPS 102</b> - General Physics II	4
<b>EDU 201</b> - Educational Psychology	3
<b>EDU 206/206L</b> - Principles of Secondary Ed.	4
<b>EDU 301</b> - Foundations of Education	3
<b>EDU 303/303L</b> - Child w/ Sp. Needs in Reg. Class	4
<b>EDU 401/401L</b> - Educational Measurement	4
<b>EDU 412/412L</b> - Teaching Science in Sec. Schools	4
<b>EDU 449</b> - Classroom Management	1
<b>EDU 450</b> - 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 ( <b>Natural Science</b> )	4	BIO 104	General Biology II	4
CHM 101	General Chemistry I	4	CHM 102	General Chemistry II	4
MTH 109	Calculus I ( <b>Quantitative Reasoning</b> )	3	MTH 110	Calculus II	3
TOTAL		15	TOTAL		15

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 ( <b>Social Science</b> )	3	BIO 200	Cell Biology & Molecular Genetics ( <b>Intensive Writing II</b> ) or BIO Elective	3
BIO 200	<i>BIO 200/BIO Elective</i>	4	EDU 206/206L	Principles of Secondary Education w/ Lab	4
TOTAL		15	TOTAL		15

JUNIOR YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
	<i>BIO Elective w/ Lab (Ecology)</i>	4		<i>BIO Elective w/ Lab</i>	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
	<i>CORE</i>	3		<i>CORE</i>	3
	<i>CORE</i>	3		<i>CORE</i>	3
TOTAL		18	TOTAL		18

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