

# Providence College - Biology B.S. & O.D.

Class of 2029

7-Year Combined Degree Program with New England College of Optometry (NECO)

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	3
Theology 200 Level	3
Theology 300 Level	3
Intensive Writing I Proficiency	3
Intensive Writing II Proficiency	BIO 200 (3)
Oral Communication Proficiency	3
Diversity Proficiency	3
Civic Engagement Proficiency	3
Free Electives	

Major Requirements	Credits
BIO 103 - General Biology I	4
BIO 104 - General Biology II	4
BIO 200 - Cell Biology & Molecular Genetics	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
CHM 309 - Biochemistry	3
MTH 109 - Calculus I	3
MTH 110 - Calculus II	3
MTH 218 - Biostatistics	3
EPS 101 - General Physics I	4
EPS 102 - General Physics II	4
Social Science (PSY 100)	3
BIO Elective w/ Lab (one being Microbiology)	12

Graduation Requirements / Degree Notes
- Students at Providence College must complete 120 credits, which includes both their core and major requirements.
- BIO B.S. Optometry Majors fulfill the Natural Science and Quantitative Reasoning Cores, along with the Intensive Writing II Proficiency.
- The Providence College Core will satisfy the NECO admission requirement in English.
- The first year courses at NECO will be accepted as transfer credits to complete the remaining requirements for the Providence College degree.
- 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

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
EPS 101	General Physics I	4	BIO 200	Cell Biology & Molecular Genetics (Intensive Writing II) or BIO Elective	3
BIO 200	BIO 200/ BIO Elective	4	EPS 102	General Physics II	4
	CORE / FREE ELECTIVE	3	BIO 200	BIO 200/CORE / FREE ELECTIVE	3
TOTAL		19	TOTAL		18

JUNIOR YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
	BIO Elective w/ Lab (Microbiology)	4		BIO Elective w/ Lab	4
CHM 309	Biochemistry	3	MTH 218	Biostatistics	3
	Social Science (PSY 100)	3		CORE / FREE ELECTIVE	3
	CORE / FREE ELECTIVE	3		CORE / FREE ELECTIVE	3
	CORE / FREE ELECTIVE	3		CORE / FREE ELECTIVE	3
	OAT - September Test Administration				
TOTAL		16	TOTAL		16

SENIOR YEAR		
FALL	SPRING	
**Science Electives (fulfilled by 1st year courses at New England College of Optometry**		
	TOTAL PROGRAM OF STUDY CREDITS	99