

Providence College - Biochemistry B.S.
Class of 2029

Major Requirements	Credits
CHM 121/122 - Intro Chemistry w/ Lab I <i>and</i> II	8
CHM 221/222 - Org. Chemistry w/ Lab I <i>and</i> II	8
CHM 309/312 - Biochemistry I <i>and</i> II	6
CHM 310L - Biochemistry Lab	3
CHM 321/321L - Physical Chemistry I w/ Lab	4
CHM 331 - Adv. Analytical Chemistry w/ Lab	4
CHM 381/481/482 - Chemistry Seminar	3
MTH 131/132 - Calc & Analytical Geometry I <i>and</i> II	8
BIO 103/104 - General Biology w/ Lab I <i>and</i> II	8
BIO 200 - Cellular and Molecular Biology	3
BIO 308 - Modern Genetics w/ Lab	4
EPS 101/102 - General Physics w/ Lab I <i>and</i> II	8

Graduation Requirements / Degree Notes

- Students at Providence College must complete 120 credits, which includes both their core and major requirements.
- For study abroad: fall of the junior year consultation with department chair should take place, provided one finds equivalent courses to take abroad.
- Note: CHM 310L and CHM 312 are offered in alternative years.
- Chemistry Elective may be any 300 or 400 level CHM course, however, if CHM 401 is chosen, students will receive ACS certification.
- Students at PC need a minimum GPA of 2.0 to graduate.

FRESHMAN YEAR							
FALL				SPRING			
Course #	Class	Credits		Course #	Class	Credits	Total Year Credits
DWC 101	Development of Western Civilization I	4		DWC 102	Development of Western Civilization II	4	
MTH 131	Calc & Analytical Geometry I (Quantitative Reasoning)	4		MTH 132	Calc & Analytical Geometry II	4	
CHM 121	Intro Chemistry I w/ Lab (Natural Science)	4		CHM 122	Intro Chemistry II w/ Lab	4	
BIO 103	General Biology I w/ Lab	4		BIO 104	General Biology II w/ Lab	4	
				CHM 132	Intro to Biochemistry	1	
TOTAL		16		TOTAL		17	33

SOPHOMORE YEAR							
FALL				SPRING			
Course #	Class	Credits		Course #	Class	Credits	Total Year Credits
DWC 201	Development of Western Civilization III	4		DWC 202	Development of Western Civilization IV	4	
CHM 221	Organic Chemistry I w/ Lab	4		CHM 222	Organic Chemistry II w/ Lab	4	
EPS 101	General Physics w/ Lab	4		EPS 102	General Physics II w/ Lab	4	
BIO 200	Cellular and Molecular Biology (Intensive Writing II)	3			CORE	3	
TOTAL		15		TOTAL		15	30

JUNIOR YEAR							
FALL				SPRING			
Course #	Class	Credits		Course #	Class	Credits	Total Year Credits
CHM 309	Biochemistry	3		CHM 321	Physical Chemistry I	3	
CHM 331	Advanced Analytical Chemistry I w/ Lab	4		CHM 321L	Physical Chemistry I w/ Lab	1	
CHM 381	Chemistry Seminar	1		CHM 312	Biochemistry II	3	
	CORE	3		CHM 382	Chemistry Seminar (Oral Communication)	2	
	CORE / FREE ELECTIVE	3			CORE	3	
					CORE / FREE ELECTIVE	3	
TOTAL		14		TOTAL		15	29

SENIOR YEAR						
FALL			SPRING			
Course #	Class	Credits	Course #	Class	Credits	Total Year Credits
	Chemistry Elective	4	CHM 310L	Biochemistry Lab	3	
CHM 481	Chemistry Seminar	2	CHM 482	Chemistry Seminar	0	
BIO 308	Modern Genetics w/ Lab	4		CORE / FREE ELECTIVE	3	
	CORE	3		CORE / FREE ELECTIVE	3	
	CORE	3		CORE	3	
TOTAL		16			12	28
TOTAL PROGRAM OF STUDY CREDITS						120