

**Providence College - Chemistry B.A.**  
**Class of 2029**

Core Requirements	Credits
Development of Western Civilization (4)	16
Ethics	3
Philosophy	3
Fine Arts	3
Quantitative Reasoning	<i>MTH 131</i> (4)
Natural Science	<i>CHM 121</i> (4)
Social Science	3
Theology 200 Level	3
Theology 300 Level	3
Intensive Writing I Proficiency	<i>CHM 120</i> (3)
Intensive Writing II Proficiency	<i>CHM 401</i> (3)
Oral Communication Proficiency	<i>CHM 381</i> (1)
Diversity Proficiency	3
Civic Engagement Proficiency	<i>CHM 120</i> (3)
Free Electives	

Major Requirements	Credits
<b>CHM 121</b> - Introduction to Chemistry I w/ Lab	4
<b>CHM 122</b> - Introduction to Chemistry II w/ Lab	4
<b>CHM 221</b> - Organic Chemistry I w/ Lab	4
<b>CHM 222</b> - Organic Chemistry II w/ Lab	4
<b>CHM 321</b> - Physical Chemistry I	3
<b>CHM 331</b> - Adv. Analytical Chemistry I w/ Lab	4
<b>CHM 381</b> - Chemistry Seminar	1
<b>CHM 382</b> - Chemistry Seminar	2
<b>CHM 401</b> - Inorganic Chemistry	3
<b>CHM 481</b> - Chemistry Seminar	2
<b>MTH 131</b> - Calc & Analytical Geometry I	4
<b>MTH 132</b> - Calc & Analytical Geometry II	4
<b>EPS 101</b> - General Physics I w/ Lab	4
<b>EPS 102</b> - General Physics II w/ Lab	4
<b>Science Elective</b>	3

Graduation Requirements / Degree Notes
- Students at Providence College must complete 120 credits, which includes both their core and major requirements.
- For Study Abroad - Spring of the junior year following consultation with department chair.
- Science Elective must be chosen from BIO 103, BIO 104, or an advanced course in BIO, CHM, EPS, or MTH.
- 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 ( <b>Quantitative Reasoning</b> )	4	MTH 132	Calc & Analytical Geometry II	4	
CHM 121	Introduction to Chemistry I w/ Lab ( <b>Natural Science</b> )	4	CHM 122	Introduction to Chemistry II w/ Lab	4	
	<i>CORE / FREE ELECTIVE</i>	3	CHM 120	Chemists to the Rescue ( <b>Intensive Writing I, Civic Engagement</b> )	3	
TOTAL		15	TOTAL		15	30

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 I w/ Lab	4	EPS 102	General Physics II w/ Lab	4	
	<i>CORE / FREE ELECTIVE</i>	3		<i>CORE / FREE ELECTIVE</i>	3	
TOTAL		15	TOTAL		15	30

JUNIOR YEAR						
FALL			SPRING			
Course #	Class	Credits	Course #	Class	Credits	Total Year Credits
CHM 331	Advanced Analytical Chemistry I w/ Lab	4	CHM 321	Physical Chemistry I	3	
CHM 381	Chemistry Seminar ( <b>Oral Communication</b> )	1	CHM 382	Chemistry Seminar	2	
	<i>CORE / FREE ELECTIVE</i>	3		<i>CORE / FREE ELECTIVE</i>	3	
	<i>CORE / FREE ELECTIVE</i>	3		<i>CORE / FREE ELECTIVE</i>	3	
	<i>CORE / FREE ELECTIVE</i>	3		<i>CORE / FREE ELECTIVE</i>	3	
				<i>CORE / FREE ELECTIVE</i>	3	
TOTAL		14	TOTAL		17	31

SENIOR YEAR						
FALL			SPRING			
Course #	Class	Credits	Course #	Class	Credits	Total Year Credits
CHM 401	Inorganic Chemistry ( <b>Intensive Writing II</b> )	3		Science Elective	3	
CHM 481	Chemistry Seminar	2		<i>CORE / FREE ELECTIVE</i>	3	
	<i>CORE / FREE ELECTIVE</i>	3		<i>CORE / FREE ELECTIVE</i>	3	
	<i>CORE / FREE ELECTIVE</i>	3		<i>CORE / FREE ELECTIVE</i>	3	
	<i>CORE / FREE ELECTIVE</i>	3		<i>CORE / FREE ELECTIVE</i>	3	
TOTAL		14	TOTAL		15	29
TOTAL PROGRAM OF STUDY CREDITS						120