

Providence College - Chemistry 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 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
CHM 121 - Introduction to Chemistry I w/ Lab	4
CHM 122 - Introduction to Chemistry II w/ Lab	4
CHM 221 - Organic Chemistry I w/ Lab	4
CHM 222 - Organic Chemistry II w/ Lab	4
CHM 311 - Chemistry of Materials w// Lab	2
CHM 321 - Physical Chemistry I	3
CHM 321L - Physical Chemistry I Lab	1
CHM 322 - Physical Chemistry II w/ Lab	2
CHM 321 - Physical Chemistry I	3
CHM 331 - Adv. Analytical Chemistry I w/ Lab	4
CHM 332 - Organic Analysis w/ Lab	2
CHM 381 - Chemistry Seminar	1
CHM 382 - Chemistry Seminar	2
CHM 401 - Inorganic Chemistry	3
CHM 401L - Inorganic Chemistry Lab	1
CHM 432 - Adv. Analytical Chemistry II w/ Lab	2
CHM 481 - Chemistry Seminar	2
CHM 482 - Chemistry Seminar	0
MTH 131 - Calc & Analytical Geometry I	4
MTH 132 - Calc & Analytical Geometry II	4
EPS 101 - General Physics I w/ Lab	4
EPS 102 - General Physics II w/ Lab	4

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.
- Please Note: CHM 131, CHM 322, CHM 332, and CHM 432 are offered in alternate years.
- 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	Introduction to Chemistry I w/ Lab (Natural Science)	4		CHM 122	Introduction to Chemistry II w/ Lab	4	
	CORE / FREE ELECTIVE	3		CHM 120	Chemists to the Rescue (Intensive Writing I, Civic Engagement)	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	
	CORE / FREE ELECTIVE	3			CORE / FREE ELECTIVE	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 332	Organic Analysis w/ Lab	2		CHM 321L	Physical Chemistry I Lab	1	
CHM 432	Adv. Analytical Chemistry II w/ Lab	2		CHM 309	Biochemistry	3	
CHM 381	Chemistry Seminar (Oral Communication)	1		CHM 382	Chemistry Seminar	2	
	CORE / FREE ELECTIVE	3			CORE / FREE ELECTIVE	3	
	CORE / FREE ELECTIVE	3			CORE / FREE ELECTIVE	3	
TOTAL		15		TOTAL		15	30

SENIOR YEAR						
FALL			SPRING			
Course #	Class	Credits	Course #	Class	Credits	Total Year Credits
CHM 401	Inorganic Chemistry (Intensive Writing II)	3	CHM 401L	Inorganic Chemistry Lab	1	
CHM 311	Chemistry of Materials w/Lab	2	CHM 482	Chemistry Seminar	0	
CHM 322	Physical Chemistry II w/ Lab	2		CORE / FREE ELECTIVE	3	
CHM 481	Chemistry Seminar	2		CORE / FREE ELECTIVE	3	
	CORE / FREE ELECTIVE	3		CORE / FREE ELECTIVE	3	
	CORE / FREE ELECTIVE	3		CORE / FREE ELECTIVE	3	
				CORE / FREE ELECTIVE	3	
TOTAL		15	TOTAL		16	31
TOTAL PROGRAM OF STUDY CREDITS						121