

## Providence College - Chemistry B.S.

Class of 2028

Core Requirements	Credits
Development of Western Civilization (4)	16
Ethics	3
Philosophy	3
Fine Arts	3
Quantitative Reasoning	MTH 131 (4)
Natural Science	CHM 121 (4)
Social Science	3
Theology 200 Level	3
Theology 300 Level	3
Intensive Writing I Proficiency	CHM 120 (3)
Intensive Writing II Proficiency	CHM 401 (3)
Oral Communication Proficiency	CHM 381 (1)
Diversity Proficiency	3
Civic Engagement Proficiency	CHM 120 (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
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
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
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
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
TOTAL		15	TOTAL		16 31
TOTAL PROGRAM OF STUDY CREDITS					121