Providence College - Physics B.S. Class of 2029

Core Requirements	Credits
Development of Western Civilization (4)	16
Ethics	3
Philosophy	3
Fine Arts	3
Quantitative Reasoning	MTH 131 (4)
Natural Science	CHM 101 (4)
Social Science	3
Theology 200 Level	3
Theology 300 Level	3
Intensive Writing I Proficiency	3
Intensive Writing II Proficiency	EPS 202 (4)
Oral Communication Proficiency	EPS 201 (4)
Diversity Proficiency	3
Civic Engagement Proficiency	3
Free Electives	

Major Requirements	Credits
EPS 101 - General Physics I w/ Lab	4
EPS 102 - General Physics II w/ Lab	4
EPS 131 - Intro to Engineering	1
EPS 201 - Intro to Modern Physics w/ Lab	4
EPS 202 - Electronics w/ Lab	4
EPS 221 - Scientific Programming	3
EPS 301 - Mechanics	3
EPS 302 - Electromagnetism	3
EPS 401 - Classical Dynamics	3
EPS 430 - Thermodynamics	3
EPS 448 - Applied Quantum Physics	3
EPS 495/496 - Research OR EPS 450 - Internship	6
MTH 131 - Calc & Analytical Geometry I	4
MTH 132 - Calc & Analytical Geometry II	4
MTH 223 - Calc & Analytical Geometry III	4
MTH 304 - Differential Equations	3
MTH 318 - Topics in Applied Math	3
CHM 101 - General Chemistry I w/ Lab	4
CHM 102 - General Chemistry II w/ Lab	4

Graduation Requirements / Degree Notes
- Students at Providence College must complete 120 credits, which
includes both their core and major requirements.
- Students at PC need a minimum GPA of 2.0 to graduate.
- PHY major fulfill the Quantitative Reasoning and Natural Science
Cores, as well as the Intensive Writing II and Oral Communication
Proficiencies.

		FRESH	IMAN	YEAR
	FALL			
Course #	Class	Credits		Cours
DWC 101	Development of Western Civilization I	4		DWC :
MTH 131	Calc & Analytical Geom. I (Quant. Reasoning)	4		MTH 1
EPS 101	General Physics w/ Lab	4		EPS 1
EPS 131	Intro to Engineering	1		
	CORE	3		
TOTAL		16		TOTA

ļ	YEAR			
		SPRING		
	Course #	Class	Credits	Total Year Credits
	DWC 102	Development of Western Civilization II	4	
	MTH 132	Calc & Analytical Geometry II	4	
	EPS 102	General Physics II w/ Lab	4	
		CORE	3	
		CORE	3	
	TOTAL		18	34

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	
VTH 223	Calc & Analytical Geometry III	4		MTH 304	Differential Equations	3	
EPS 201	Intro to Modern Physics w/ Lab (Oral Communication)	4		EPS 301	Mechanics	3	
	CORE	3			CORE	3	
	CORE	3			CORE / FREE ELECTIVE	3	
TOTAL		18]	TOTAL		16	34

JUNIOR YEAR							
	FALL SPRING						
Course #	Class	Credits		Course #	Class	Credits	Total Year Credits
MTH 318	Topics in Applied Math	3		EPS 202	Electronics w/ Lab (Intensive Writing II)	4	
EPS 221	Scientific Programming	3		EPS 430	Thermodynamics	3	
CHM 101	General Chemistry I w/ Lab (Natural Science)	4		CHM 102	General Chemistry II w/ Lab	4	
	CORE	3			CORE	3	
	CORE	3			CORE / FREE ELECTIVE	3	
TOTAL		16		TOTAL		17	33

		SEN	OR Y
	FALL		
Course #	Class	Credits	
EPS 302	Electromagnetism	3	
EPS 401	Classical Dynamics	3	
EPS 495 or 450	Research or Internship	3	
	FREE ELECTIVE	3	
	FREE ELECTIVE	3	
TOTAL		15	

DR Y	R YEAR							
		SPRING						
	Course #	Class	Credits	Total Year Credits				
	EPS 448	Applied Quantum Physics	3					
	EPS 496 <i>or</i> 450	Research or Internship	3					
		FREE ELECTIVE	3					
		FREE ELECTIVE	3					
		FREE ELECTIVE	3					
			15	30				
		TOTAL PROGRAM OF STUDY CREDITS		131				