

**Providence College - Pre-Engineering 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 101</i> (4)
Social Science	<i>ECN 101</i> (3)
Theology 200 Level	3
Theology 300 Level	3
Intensive Writing I Proficiency	3
Intensive Writing II Proficiency	<i>EPS 202</i> (4)
Oral Communication Proficiency	<i>EPS 201</i> (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 Modern Physics w/ Lab	4
EPS 202 - Electronic Devices w/ Lab	4
EPS 221 - Scientific Programming	3
EPS 301 - Mechanics	3
EPS 430 - Thermodynamics	3
CHM 101 - General Chemistry I w/ Lab	4
CHM 102 - General Chemistry II w/ Lab	4
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 Mathematics	3
ECN 101 - Principles of Economics - Micro	3

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.
- EPS majors fulfill the Quantitative Reasoning, Natural Science, and Social Science Cores, as well as the Intensive Writing II and Oral Communication Proficiencies.
- Note that each engineering subfield (biomedical, civil, mechanical, chemical, etc) may require additional courses beginning in the second year of study.

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 Geom. I (Quant. Reasoning)	4		MTH 132	Calc & Analytical Geometry II	4	
EPS 101	General Physics I w/ Lab	4		EPS 102	General Physics II w/ Lab	4	
EPS 131	Intro to Engineering	1			<i>CORE</i>	3	
ECN 101	Prin. of Economics - Micro (Social Science)	3			<i>CORE</i>	3	
TOTAL		16		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	
EPS 201	Intro Modern Physics w/ Lab (Oral Commun.)	4		EPS 301	Mechanics	3	
MTH 223	Calc & Analytical Geometry III	4		MTH 304	Differential Equations	3	
	<i>CORE</i>	3			<i>CORE</i>	3	
	<i>CORE</i>	3			<i>CORE / FREE ELECTIVE</i>	3	
TOTAL		18		TOTAL		16	34

JUNIOR YEAR							
FALL				SPRING			
Course #	Class	Credits		Course #	Class	Credits	Total Year Credits
MTH 318	Topics in Applied Mathematics	3		EPS 202	Electronic Devices 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	
	<i>CORE</i>	3			<i>CORE</i>	3	
	<i>CORE</i>	3			<i>CORE / FREE ELECTIVE</i>	3	
TOTAL		16		TOTAL		17	33

TOTAL PROGRAM OF STUDY CREDITS	101
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