

Providence College - Mathematics B.A.

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		3
Social Science		3
Theology 200 Level		3
MTH 131 (4)		3
Intensive Writing I Proficiency		3
Intensive Writing II Proficiency		3
Oral Communication Proficiency		3
Diversity Proficiency		3
Civic Engagement Proficiency		3
Free Electives		

Major Requirements		Credits
MTH 131 - Calc & Analytical Geometry I		4
MTH 132 - Calc & Analytical Geometry II		4
MTH 215 - Linear Algebra		3
MTH 223 - Calculus III		4
MTH 290 - Foundations of Higher Mathematics		3
MTH 315 - Abstract Algebra I		3
MTH 323 - Real Analysis I		3
MTH 324 or 316 or 330 - Real Analysis II or Abstract Algebra or Complex Variables		3
MTH Electives (2 courses, 300-level or higher)		6
CSC 103 or 104 - Introduction to Computer Science or Software Development		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.	
- Currently, MTH majors fulfill the Quantitative Reasoning Core.	
- MTH 131 requirement is waived for students placed into MTH 132.	

FRESHMAN YEAR			
FALL			SPRING
Course #	Class	Credits	Course #
DWC 101	Development of Western Civilization I	4	DWC 102
MTH 131	Calc & Analytical Geometry I (Quantitative Reasoning)	4	MTH 132
CSC 103 or 104	Introduction to Computer Science or Software Development	4	
MTH 103	First Year Mathematics Seminar	1	
	Core or Elective	3	
TOTAL		16	TOTAL
			14 30

SOPHOMORE YEAR			
FALL			SPRING
Course #	Class	Credits	Course #
DWC 201	Development of Western Civilization III	4	DWC 202
MTH 223	Calculus III	4	MTH 290
MTH 215	Linear Algebra	3	
	FREE ELECTIVE	3	
	CORE	3	
TOTAL		17	TOTAL
			16 33

JUNIOR YEAR			
FALL			SPRING
Course #	Class	Credits	Course #
MTH 323	Real Analysis I	3	MTH 324 or 316 or 330
MTH 315	Abstract Algebra I	3	
	FREE ELECTIVE	3	
	CORE	3	
	CORE	3	
TOTAL		15	TOTAL
			15 30

SENIOR YEAR			
FALL			SPRING
Course #	Class	Credits	Course #
	CORE	3	
	CORE	3	
	FREE ELECTIVE	3	
	FREE ELECTIVE	3	
	FREE ELECTIVE	3	
TOTAL		15	
			15 30
TOTAL PROGRAM OF STUDY CREDITS			123