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

Course #	Class	Credits
DWC 101	Development of Western Civilization I	4
MTH 131	Calc & Analytical Geometry I **(Quantitative Reasoning)**	4
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

SPRING

Course #	Class	Credits	Total Year Credits
DWC 102	Development of Western Civilization II	4	
MTH 132	Calc & Analytical Geometry II	4	
	FREE ELECTIVE	3	
	CORE	3	
TOTAL		14	30

SOPHOMORE YEAR

FALL

Course #	Class	Credits
DWC 201	Development of Western Civilization III	4
MTH 223	Calculus III	4
MTH 215	Linear Algebra	3
	FREE ELECTIVE	3
	CORE	3
TOTAL		17

SPRING

Course #	Class	Credits	Total Year Credits
DWC 202	Development of Western Civilization IV	4	
MTH 290	Foundations of Higher Mathematics	3	
	FREE ELECTIVE	3	
	CORE	3	
	CORE	3	
TOTAL		16	33

JUNIOR YEAR

FALL

Course #	Class	Credits
MTH 323	Real Analysis I	3
MTH 315	Abstract Algebra I	3
	FREE ELECTIVE	3
	CORE	3
	CORE	3
TOTAL		15

SPRING

Course #	Class	Credits	Total Year Credits
MTH 324 ***or*** 316 ***or*** 330	Real Analysis II ***or*** Abstract Algebra ***or*** Complex Variables	3	
	MTH Elective	3	
	FREE ELECTIVE	3	
	CORE	3	
	CORE	3	
TOTAL		15	30

SENIOR YEAR

FALL

Course #	Class	Credits
	CORE	3
	CORE	3
	FREE ELECTIVE	3
	FREE ELECTIVE	3
	FREE ELECTIVE	3
TOTAL		15

SPRING

Course #	Class	Credits	Total Year Credits
	MTH Elective	3	
	FREE ELECTIVE	3	
	FREE ELECTIVE	3	
	FREE ELECTIVE	3	
	FREE ELECTIVE	3	
		15	30
TOTAL PROGRAM OF STUDY CREDITS			**123**