Providence College - Mathematics/Secondary Education 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	EDU 201 (3)
Theology 200 Level	3
MTH 131 (4)	3
Intensive Writing I Proficiency	3
Intensive Writing II Proficiency	3
Oral Communication Proficiency	EDU 450 (9)
Diversity Proficiency	3
Civic Engagement Proficiency	EDU 301 (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 325 Probability Theory and Math. Stats I	3
CSC 103 or 104 - Introduction to Computer Science or Software Development	3
EDU 201 Educational Psychology	3
EDU 206/206L Principles of Secondary Ed/Lab	4
EDU 401/401L Educational Measurements w/lab	4
EDU 303/303L Child w/special Needs w/lab	4
EDU 416/416L Teaching Math in Secondary School	4
EDU 301 Foundations of Education	3
EDU 450 Student Teaching	9
EDU 449 Classroom Management	1

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, MTHE majors fulfill the Quantitative Reasoning and Social Science Core, and the Oral Communication and Civic Engagement Proficiencies.
- Secondary Education majors have a two-step process to declare, including a basic skills test or completion of a 1-credit course mandated by the RI Department of Education and a cummulative GPA or at least 2.5.
- MTH 131 requirement is waived for majors placed into MTH 132.

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 Geometry I (Quantitative Reasoning)	4		MTH 132	Calc & Analytical Geometry II	4	
CSC 103 or 104	Introduction to Computer Science or Software Development	4			FREE ELECTIVE	3	
MTH 103	First Year Mathematics Seminar	1			CORE	3	
	Core or Elective	3					
TOTAL		16		TOTAL		14	30

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	
MTH 223	Calculus III	4		MTH 290	Foundations of Higher Mathematics	3	
MTH 215	Linear Algebra	3		EDU 206/206L	Principles of Secondary Education w/ Lab	4	
EDU 201	Educational Psychology (Social Science)	3			FREE ELECTIVE	3	
	CORE	3			CORE	3	
TOTAL		17		TOTAL		17	34

JUNIOR YEAR

	FALL				SPRING		
Course #	Class	Credits		Course #	Class	Credits	Total Year Credits
MTH 323	Real Analysis I	3		MTH 324 or 316 or 330	Real Analysis II or Abstract Algebra or Complex Variables	3	
MTH 315	Abstract Algebra I	3		MTH 325	Probability Theory and Math. Stats I	3	
EDU 401/401L	Educational Measurement w/ Lab	4		EDU 303/303L	Child w/ Spec. Needs in Regular Class w/ Lab	4	
	FREE ELECTIVE	3			FREE ELECTIVE	3	
	CORE	3			CORE	3	
TOTAL		16		TOTAL		16	32

SENIOR YEAR

	FALL				SPRING		
Course #	Class	Credits		Course #	Class	Credits	Total Year Credits
MTH 325	Probability Theory and Math Statistics I	3		EDU 301	Found. of Education (Civic Engagement)	3	
EDU 416/416L	Teaching Math in Secondary School	4		EDU 450	Student Teaching (Oral Communication)	9	
	CORE	3		EDU 449	Classroom Management	1	
	CORE	3					
	CORE	3					
TOTAL		16				13	29
					TOTAL PROGRAM OF STUDY CREDITS		125