

MATHEMATICS MAJOR, BA

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	44-55
Major Requirements	37
Open Electives	36-47
Total Credits	128

PLV Students

University Core Requirements (44-55 Credits)

See complete University Core (<http://catalog.pace.edu/undergraduate/university-core-curriculum/>) requirements.

Code	Title	Credits
University Core		
Complete University Core Requirements ¹		44-55
Total Credits		44-55

¹ MAT 131 Calculus I (4 credits) may be used to satisfy Math core requirement; otherwise it must be taken for major credit.

Major Requirements (37 Credits)

Code	Title	Credits
Required Major Courses		
MAT 131	Calculus I ¹	4
MAT 132	Calculus II	4
MAT 234	Introduction to Probability and Statistical Analysis	4
MAT 236	Multivariable Calculus	4
MAT 238	Linear Algebra	4
MAT 253	Differential Equations	4
MAT 301	Algebraic Structures	3
MAT 305	Complex Variables	3
or MAT 311	Real Analysis	
MAT 137	Introduction to Discrete Mathematics	4
MAT 400	Mathematics: Connections, Communications, Research	3
Total Credits		37

¹ MAT 131 Calculus I (4 credits) may be used to satisfy Math core requirement; otherwise it must be taken for major credit.

Open Electives (36-47 Credits)

Code	Title	Credits
Open Electives		
Select 36-47 credits		36-47
Total Credits		36-47

NYC Students

University Core Requirements (44-55 Credits)

See complete University Core (<http://catalog.pace.edu/undergraduate/university-core-curriculum/>) requirements.

Code	Title	Credits
University Core		
Complete University Core Requirements ¹		44-55
Total Credits		44-55

¹ MAT 131 Calculus I (4 credits) may be used to satisfy Math core requirement; otherwise it must be taken for major credit.

Major Requirements (37 Credits)

Code	Title	Credits
Required Major Courses		
MAT 131	Calculus I ¹	4
MAT 132	Calculus II	4
MAT 234	Introduction to Probability and Statistical Analysis	4
MAT 236	Multivariable Calculus	4
MAT 238	Linear Algebra	4
MAT 253	Differential Equations	4
MAT 301	Algebraic Structures	3
MAT 305	Complex Variables	3
or MAT 311	Real Analysis	
MAT 233	Mathematical Structures and Models	4
MAT 490	Mathematics Seminar Capstone Experience I	1
MAT 491	Mathematics Seminar Capstone Experience II	2
Total Credits		37

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Open Electives (36-47 Credits)

Code	Title	Credits
Open Electives		
Select 36-47 credits		36-47
Total Credits		36-47