

MATHEMATICS MAJOR, BS

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	44-55
Major Requirements	46-48
Open Electives	25-38
Total Credits	128

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 (46-48 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
MAT 311	Real Analysis	3
MAT 233	Mathematical Structures and Models	4
MAT 490	Mathematics Seminar Capstone Experience I	1
MAT 491	Mathematics Seminar Capstone Experience II	2
Required Major Electives		
Select two approved mathematics courses 200-level or higher.		6-8
Total Credits		46-48

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 (25-38 Credits)

Code	Title	Credits
Open Electives		
Select 25-38 credits		25-38
Total Credits		25-38

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 (46-48 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
MAT 311	Real Analysis	3
MAT 137	Introduction to Discrete Mathematics	4
MAT 400	Mathematics: Connections, Communications, Research	3
Required Major Electives		
Select two approved mathematics courses 200-level or higher.		6-8
Total Credits		46-48

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 (25-38 Credits)

Code	Title	Credits
Open Electives		
Select 25-38 credits		25-38
Total Credits		25-38