

# MATHEMATICS MAJOR, BA

Campus: NYC, Westchester

## Major Completion Summary

Requirement	Credits
University Core Requirements	44-55
Major Requirements	37
Open Electives	28-39
<b>Total Credits</b>	<b>120</b>

### University Core Requirements (44-55 Credits)

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

Code	Title	Credits
<b>University Core</b>		
Complete University Core Requirements <sup>1</sup>		44-55
<b>Total Credits</b>		<b>44-55</b>

<sup>1</sup> 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
<b>Required Major Courses</b>		
MAT 131	Calculus I <sup>1</sup>	4
MAT 132	Calculus II	4
MAT 137 or MAT 233	Introduction to Discrete Mathematics Mathematical Structures and Models	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 315	Introduction to Real and Complex Analysis	4
MAT 400	Mathematics: Connections, Communications, Research (or MAT 490 and MAT 491)	3
<b>Total Credits</b>		<b>38</b>

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

### Open Electives (28-39 Credits)

Code	Title	Credits
<b>Open Electives</b>		
Select 28-39 credits		28-39
<b>Total Credits</b>		<b>28-39</b>