WEST CHESTER UNIVERSITY M.S. IN MATHEMATICS

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## M.S. IN MATHEMATICS

## Curriculum

Code	Title	Credits
Core Course Requirements		
MAT 513	Linear Algebra	3
MAT 515	Algebra I	3
MAT 543	Theory of Differential Equations	3
MAT 545	Real Analysis I	3
Concentration Requirements		
MAT 535	Topology	3
Students must take two of the following three courses.		6
MAT 516	Algebra II	
MAT 536	Algebraic Topology	
MAT 546	Real Analysis II	
Students must take list.	one additional course from the following	3
MAT 514	Theory of Numbers	
or MAT 516	Algebra II	
or MAT 521	Discrete Mathematics & Graph Theory	
or MAT 532	Geometry I	
or MAT 536	Algebraic Topology	
or MAT 546	Real Analysis II	
or MAT 575	Complex Analysis I	
Electives <sup>1</sup>		
A student may choose 9 credits from among 500-level MAT		9

A student may choose 9 credits from among 500-level MAT course offerings, as well as STA 501, STA 505, STA 506, STA 511, STA 512, MTE 507, MTE 508, MTE 512, and MTE 604. Upon advisement, some MTE, CSC, or business

MTE 604. Upon advisement, some MTE, CSC, or business graduate classes may be selected. MAT 500 does not apply towards this requirement..

## Capstone Experience

A student may choose one of two different capstone experiences.

Thesis - Student selects MAT 609 and MAT 610, which replace 6 credits of electives.

Electronic Portfolio

## Total Minimum Credits Required

Elective courses to be scheduled in advance on a rotating basis. Students selecting the thesis option take MAT 609 and MAT 610 as two of their three electives.

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