

M.S. IN MATHEMATICS - MATHEMATICS EDUCATION CONCENTRATION

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		
STA 505	Mathematical Statistics I	3
MTE 512	High School Mathematics - Curriculum, Instruction and Assessment	3
Students must take one of the following two courses		3
MAT 516 or MAT 546	Algebra II Real Analysis II	
Students must take one additional course from the following list.		
MAT 503 or MAT 514 or MAT 521 or MAT 532 or STA 501 or STA 506	History Of Mathematics Theory of Numbers Discrete Mathematics & Graph Theory Geometry I Methodologies in Applied Statistics Mathematical Statistics II	3
Electives ¹		
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 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		33

¹ 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.