

M.S. IN MATHEMATICS - APPLIED AND COMPUTATIONAL CONCENTRATION

Curriculum

Code	Title	Comments	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 548	Industrial Mathematics - Continuous Models		3
MAT 552	Operations Research		3
MAT 553	Stochastic Modeling		3
MAT 554	Scientific Computing		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.			9
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.