

**PROGRAM: MS PROGRAM IN APPLIED MATH  
 (NON-THESIS OPTION)**

First Year Fall Semester			First Year Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
MTSC 500	Foundations of Math *	3	MTSC 571	Complex Analysis *	3
MTSC 511	Intro to Abstract Algebra *	3	MTSC 541	Advanced Probability Theory *	3
MTSC 561	Real Analysis I *	3	MTSC 562	Real Analysis II *	3
	Total Credits	9		Total Credits	9

Second Year Fall Semester			Second Year Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
MTSC-xxx	Mathematics Elective +	3	MTSC-xxx	Mathematics Elective +	3
MTSC-xxx	Mathematics Elective +	3	MTSC-xxx	Mathematics Elective +	3
MTSC-xxx	Mathematics Elective +	3			
	Total Credits	9		Total Credits	6

Third Year Fall Semester			Third Year Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
	Total Credits			Total Credits	

Fourth Year Fall Semester			Fourth Year Spring Semester		
Course	Course Name	Cr	Course	Course Name	Cr
	Total Credits			Total Credits	
			Total Credits: 33		

\*Denotes a Core Requirement

+Denotes an elective

Total Core Credits = 18

Total Elective Credits = 15

Candidacy Requirements:

Complete nine (9) Hours with minimum GPA 3.0.

Capstone or Culminating Experience:

Pass a written examination within two (2) attempts. In the examination a student must choose two (2) topics from Algebra, Analysis, and Applied Mathematics.

Submission of Outcomes report to the School of Graduate Studies prior to graduation