

**PROGRAM: MS PROGRAM IN APPLIED
 MATH (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-699	Thesis	3
MTSC-699	Thesis	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 = 9

Candidacy Requirement:

Complete nine (9) Hours with minimum GPA 3.0 along with submission of research plan.

Submission of plan along with Candidacy Application to the School of Graduate Studies

Capstone or Culminating Experience:

Successful completion of 6 credits hours of MTSC-699 thesis; to write and successfully defend the thesis.