

MATHEMATICS (M.S.)

A student electing the thesis option, will fulfill the remaining 12 hours from mathematics electives drawn from a list of pure or applied mathematics courses to match his/her area of concentration. Courses are offered each semester to match each enrolled student's interest. In consultation with an advisor and the Chairperson of the Department, a student must develop a study plan and select sufficient electives from departmental courses to complete degree requirements with a concentration in either pure or applied mathematics. See the list of departmental courses below. A typical study plan for a student with a concentration in applied mathematics who is seeking to pursue a doctoral degree would look like this:

Course	Title	Hours
First Year		
Fall		
MATH 511	BASIC ABSTRACT ALGEBRA I	3
MATH 513	LINEAR ALGEBRA I	3
MATH 531	BASIC REAL ANALYSIS I	3
Hours		9
Spring		
MATH 541	BASIC COMPLEX ANALYSIS I	3
MATH XXX ELECTIVE ¹		3
MATH XXX ELECTIVE ¹		3
Hours		9
Second Year		
Fall		
MATH 551	BASIC GENERAL TOPOLOGY I	3
MATH XXX ELECTIVE ¹		3
MATH 599	THESIS (or MATH XXX ELECTIVE) ²	3
Hours		9
Spring		
MATH 561		3
MATH XXX ELECTIVE ¹		3
MATH 599	THESIS (or MATH XXX ELECTIVE) ²	3
Hours		9
Total Hours		36

¹ Approved Mathematics Electives: MATH 514, MATH 531, MATH 532, MATH 537, MATH 542, MATH 577, and MAT 597

² A student electing the non-thesis option must enroll in a course from the approved mathematics electives.