

Graduate Course Plan

Master of Science in Mathematics

I. MAJOR REQUIRED: 14 units

Pref	No	Title	Units	Sem/Yr	Gr
MAT	5020	Graduate Seminar	1		
MAT	5110	Real Analysis I	4		
MAT	5170	Abstract Algebra I	3		
MAT	5280	Complex Analysis I	3		
MAE	5600	Prob. Solving as a Math Endeavor	3		

II. MAJOR ELECTIVES: 12 or 14 units *(need a total of 30 units overall)*.

Pref	No	Title	Units	Sem/Yr	Gr

Most 4000- and 5000-level MAE, MAT, and STA courses are suitable electives. See catalog for details.

III. CULMINATING EXPERIENCE: Either Thesis (4 units) or Comprehensive Exams (2 units)

- Thesis: 2 units of MAT 6910 and 2 units of MAT 6960.
- Comprehensive Exams: 2 units of MAT 6970 (1 unit per exam).

Pref	No	Title	Units	Sem/Yr	Gr

UNIVERSITY REQUIREMENTS: *30 units overall with at least 18 units at the 5000 or 6000 level.*

TOTAL UNITS, Parts I - III: _____ **TOTAL at 5000 or 6000 level:** _____

A note on emphases: As mentioned in the university catalog, the emphases in Pure Mathematics and Mathematics Education provide guidance for choosing courses to fit career goals. There is no requirement to choose a specific emphasis.