



# Mathematics Graduate Degree Plan

**Thesis Option**

**Catalog 2010 — 2012**

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**DEPARTMENT OF MATHEMATICS**

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College of Arts and Sciences

**PRAIRIE VIEW A&M UNIVERSITY**

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**DEPARTMENT OF MATHEMATICS**  
**Graduate Degree Plan**  
**Thesis Option**

The Department of Mathematics offers a Master of Science degree program with the thesis and non-thesis option.

**ADMISSION REQUIREMENTS**

Application for admission to graduate study is made through the graduate School. Applicants seeking a Master of Science degree in Mathematics should have the equivalent of an undergraduate major in mathematics from an accredited institution. Applicants who do not hold the equivalent of the undergrad major in mathematics should request an approved deficiency form from the Mathematics Department in order to meet this requirement.

**MASTER OF SCIENCE IN MATHEMATICS DEGREE PROGRAM REQUIREMENTS WITH THESIS OPTION**

A MINIMUM OF 35 SEMESTER HOURS (INCLUDING THESIS) is required for this M.S. degree in Mathematics. These courses must be selected from approved 5000 level courses and a grade point average of 3.00 or better, on a scale of 4.0, must be maintained with no grade below a "C". A research presentation is required at the conclusion of the degree program.

1. Twelve (12) credit hours of the 36 semester credit hours must include:

MATH 5013	Introduction to Point-Set Theory
MATH 5023	Complex Analysis I
MATH 5733	Mathematical Analysis I
MATH 5753	Mathematical Analysis II

2. Eighteen (18) semester credit hours of the 36 semester credit hours must be selected from the 5000 level courses approved by the department of mathematics.

3. Thesis: Six (6) SCH

The student must prepare and defend an approved (by the Department of Mathematics thesis in accordance with the Graduate School and Mathematics Department guidelines:

**Suggested Plan (if courses are offered)**

**Year One**

First Semester			SCH	Second Semester			SCH
MATH 5013	Introduction to Point-Set Theory	3		MATH 5023	Complex Analysis I	3	
MATH 5000 <sup>+</sup>	Elective	3		MATH 5000 <sup>+</sup>	Elective	3	
MATH 5000 <sup>+</sup>	Elective	3		MATH 5000 <sup>+</sup>	Elective	3	
Total SCH			9	Total SCH			9

**Year Two**

First Semester			SCH	Second Semester			SCH
MATH 5103	Thesis	3		MATH 5103	Thesis	3	
MATH 5733	Mathematical Analysis I	3		MATH 5753	Mathematical Analysis II	3	
MATH 5000 <sup>+</sup>	Elective	3		MATH 5000 <sup>+</sup>	Elective	3	
Total SCH			9	Total SCH			9