



# Mathematics Graduate Degree Plan

**Non-Thesis Option  
With Teaching Emphasis**

**Catalog 2010 — 2012**

Effective Spring 2011

**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 – Non-Thesis Option**  
**With Teaching Emphasis**

The Department of Mathematics offers a Master of Science degree program with a thesis and non-thesis option. The Non-Thesis option offers a Teaching Emphasis, if student desires.

**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 an undergraduate degree with a 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 NON-THESIS OPTION**

A MINIMUM OF 36 SEMESTER CREDIT HOURS 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". In addition, all applicants seeking this degree option must pass a comprehensive written exit exam administered by the Mathematics Department, the content of which is determined by the department. Student must also give an oral presentation, before graduation, on an approved topic in mathematics. The Department of Mathematics will develop the procedure for selection, approval and presentation of topic.

1. Twelve (12) semester 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. Courses are listed in the Course Catalog.

3. Six (6) semester credit hours of the 36 semester credit hours must include:

CURR 5003	Theory and Dynamics of Curriculum and Instruction
EDEN 5103	Foundations of Educational Research

**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 5733	Mathematical Analysis I	3		MATH 5753	Mathematical Analysis II	3	
MATH 5000 <sup>+</sup>	Elective	3		MATH 5000 <sup>+</sup>	Elective	3	
CURR 5003	Theory & Dynamics of Curriculum and Instruction	3		EDEN 5103	Foundations of Educational Research	3	
Total SCH			9	Total SCH			9