

## **Master of Mathematics Degree (M.M.)**

This degree is intended primarily for teachers of high school or 2-year college mathematics. Before admission to this program, the applicant must have either (a) certification for teaching secondary mathematics in at least one state, or (b) three years of teaching experience. In exceptional circumstances, part of admission requirement (b) might be satisfied concurrently with course work. Applicants for admission to this program must have successfully completed one year of calculus (141-42 or equivalent) and a course in matrix algebra (251 or equivalent).

### 1. Departmental Requirements.

- a. A total of 30 credit hours, of which 21 must be at the 500 level and include core courses Math 504 (Discrete Mathematics for Teachers), 505 (Analysis for Teachers), 506 (Algebra for Teachers), 507 (Probability and Statistics for Teachers) and 6 hours in 509 (Seminar for Teachers). At most, 6 hours may be taken outside the Department of Mathematics and must be selected in consultation with the advisor.
- b. Pass a final examination.

### 2. General Comments

The purpose of the M.M. degree program is to allow mathematics teachers to extend their knowledge of mathematics through the study of a broad spectrum of subjects at less depth than required for the M.S. degree. Professor Jerzy Dydak (dydak@utk.edu) may be consulted for information concerning the M.M. degree.

### **Procedures for Fulfilling Requirements**

- a. Begin course work.
- b. Apply for admission to candidacy (at least one semester prior to graduation--consult Graduate Schools web site <http://gradschool.utk.edu/forms-central/> for all forms and deadlines). Forms should be completed online, printed, and require original signatures of 3 committee members.
- c. Place name on graduation list (during registration for the final semester).
- d. Apply for diploma.
- e. Remove all incompletes.
- f. Schedule final examination (6 hours).
  - Comprised of five questions each from Math 504, 505, 506, and 507.
- g. Complete all course work, pass final examination, file *Report of Final Exam/Defense of Thesis (Pass/Fail) Form* <http://gradschool.utk.edu/forms-central/> with Graduate Records Office (111 Student Services Bldg.).