The goal of the various programs we offer in Mathematics Education at the Master’s level is to prepare Master’s degree-seeking students for positions of instructional leadership in Mathematics Education as master teachers of Mathematics in either middle grades (6-9), high school (9-12), or post-secondary institutions such as community colleges. Two degrees are offered: the Master of Science (M.S.) requires a thesis, while the Master of Education (M.Ed.) does not require a thesis.

The Mathematics Education master’s program at NC State places a strong emphasis on pedagogical content knowledge. Through the program, students will further develop their instructional expertise, extend their knowledge of learners, deepen their subject matter knowledge, use educational research methods, and engage in professional leadership activities.

In particular, students will develop:
1. Greater understanding of K-12 school mathematics and how to teach it;
2. A foundation in the teaching and learning of mathematics to a range of age groups and diverse populations;
3. A broader foundation in advanced mathematical sciences;
4. An ability to interpret and critique research related to the teaching and learning of mathematics; and
5. An ability to apply theoretical knowledge and research results in practical settings such as: mathematics instruction, mathematics teacher professional development, evaluation and assessment, supervision of teachers, curricula development, and technology development.

Admissions
You may find more information about our program, admission requirements, fees and deadlines on the NC State Graduate School webpage:
www2.acs.ncsu.edu/grad
Before submitting an application, candidates are strongly urged to review the program in the Mathematics Education Handbook which may be found online:
http://ced.ncsu.edu/stem
For program specific questions contact:
Dr. Hollylynne Lee, (919)513-3544
Coordinator of Mathematics Education
Graduate Programs
hollylynne@ncsu.edu
Dr. Aaron C. Clark (919)515-1771
Director of Graduate Programs
Science, Technology, Engineering & Mathematics Education
aaron_clark@ncsu.edu
Admissions Applications must be submitted on-line:
www.ncsu.edu/applygrad
Provide the following requirements in addition to the online application:
1. A letter of application (1-2 pages) stating your professional goals and how a Masters degree in Mathematics Education will support those goals.
2. Scores from the Verbal, Quantitative, and Writing part of the Graduate Record Examination (GRE) test (cannot be more than 5 years old).
3. Three letters of recommendation from persons familiar with your academic and professional background and experience; at least one must be from a college professor familiar with your academic work and one letter from a person familiar with your teaching experience.
4. Transcripts from all colleges where you have done undergraduate and post-baccalaureate work.

Mail Materials to:
Department of Science, Technology, Engineering & Mathematics Education
Campus Box 7801
North Carolina State University
Raleigh, North Carolina 27695-7801

(919) 515-1740
http://ced.ncsu.edu/stem

Goals and Objectives
The goal of the various programs we offer in Mathematics Education at the Master’s level is to prepare Master’s degree-seeking students for positions of instructional leadership in Mathematics Education as master teachers of Mathematics in either middle grades (6-9), high school (9-12), or post-secondary institutions such as community colleges. Two degrees are offered: the Master of Science (M.S.) requires a thesis, while the Master of Education (M.Ed.) does not require a thesis.

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5. An ability to apply theoretical knowledge and research results in practical settings such as: mathematics instruction, mathematics teacher professional development, evaluation and assessment, supervision of teachers, curricula development, and technology development.
Our courses are highly interactive and engage graduate students in discussions and research on philosophical, historical, cognitive, social, political, and cutting edge issues in mathematics education. Faculty and graduate students work collaboratively on many research projects, professional development for teachers, and curriculum development and evaluation projects. We have a vibrant and diverse community of scholars that is supportive of professional and personal growth for faculty and graduate students.

Faculty have several projects affiliated with the William and Ida Friday Institute for Educational Innovation (fi.ncsu.edu). Our research focuses on students’ learning of various mathematics topics (e.g., rational numbers, statistics, algebra, geometry, calculus, differential equations) and teachers’ professional development and classroom practices, particularly when using interactive technologies. Faculty and graduates of our programs are leaders in state and national organizations for mathematics education (e.g., NCTM, NC Department of Public Instruction, NCCTM) and contribute to important policy discussions at all levels (e.g., Common Core Standards). Our faculty develop curriculum materials for K-16 mathematics and mathematics teacher education (e.g., www.mindsetproject.org, ptmt.fi.ncsu.edu). We regularly interact with teachers and students in K-16 classrooms and are committed to promoting equitable access to mathematics for all learners.

A Master’s Degree in Mathematics Education requires a minimum of 36 semester hours of coursework, at least 20 of which must be at or above the 500 level. The MS degree requires a thesis (6 semester hours); the ME.d. degree requires completion of a cumulative Product of Learning.

For more complete information see: http://ced.ncsu.edu/stem and follow link for the current Mathematics Education Graduate Handbook to find curriculum displays for the Masters Programs.

Outline of Masters Requirements

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Graduates of our masters program hold mathematics leadership positions in schools and districts, serve as master teachers for field experiences in teacher preparation programs, teach at community colleges, conduct professional development for teachers, and have authored and co-authored papers in journals such as the Centroid and Mathematics Teacher. Several have been recognized as Presidential awardees for their outstanding mathematics instruction, and many hold National Board Certification.

For Further Information

ced.ncsu.edu/stem

Graduate Faculty

Jere Confrey, Joseph D. Moore, Distinguished Professor, PhD Cornell University
Karen Hollebrands, Associate Professor, PhD Pennsylvania State University
Karen Allen Keene, Assistant Professor, PhD Purdue University
Hollylyne Stohl Lee, Associate Professor, PhD University of Virginia
Allison McCulloch, Assistant Professor, PhD Rutgers University
Karen Norwood, Associate Professor, EdD Temple University
Paola Sztajn, Professor, PhD Indiana University
Lee Stiff, Professor, PhD North Carolina State University
Temple Walkowiak, Assistant Professor, PhD University of Virginia

Application Deadlines

*October 1 and February 15 for Summer 1
*October 1 and February 15 for Summer 2
*October 1 and February 15 for Fall
*October 1 for Spring

*Applicants accepted for Summer or Fall admission in October of the prior year may receive funding priorities for fellowships and assistantships.
**Priority Deadline for International Students: October 1. The amount of paperwork needed for entering international students requires applications for internationals to be complete (including submission of GRE and TOEFL scores for the October 1 review. Those that are complete for the February 1 review are not guaranteed to be processed in time for Fall admissions.

9/26/2012