

# Science, Technology, Engineering, and Mathematics Education

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The STEM Education Program offers a Master's of Education (MEd) with concentration in Science Education, Engineering and Technology Education, and Mathematics and Statistics Education. We prepare educators and researchers for positions as teachers, leaders, and university faculty of the highest quality. We are particularly proud of our emphasis on the use of technology to enhance teaching. Students take courses in their educational specialty and in academic discipline areas.

Our Master's program (MEd) leads to North Carolina M-licensure as a teacher of science at grades 6-12 or advanced credentials for informal educators. Programs are also available for those seeking advanced graduate-level certification as a teacher. Finally, students may design a program to prepare for teaching careers in post-secondary education.

Some of our students elect to move directly from our master's into our doctoral program in Learning and Teaching in STEM – Science Education, Engineering and Technology Education or Mathematics and Statistics Education. These students are knowledge-seekers and are eager to pursue educational problems and develop critical thinking skills in a collaborative environment. The programs prepare individuals for positions in their fields of study related to:

1. scholarly inquiry and discourse in science education,
2. preparation of K-12 teachers and informal science educators,
3. instruction and development issues in K-16, and
4. leadership positions.

## Admission Requirements

Applicants for the M.Ed. degree must submit a completed application specific to the program concentration. No GRE is required. Please see the concentration degree requirements pages for more information:

- Science Education (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/science-technology-engineering-mathematics-education-med-science-education-concentration/>)
- Engineering and Technology Education (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/stem-med-engineering-technology-education-concentration/>)
- Mathematics and Statistics Education (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/science-technology-engineering-mathematics-education-med-mathematics-statistics-education-concentration/>)

The deadlines for submission of an application, and academic and professional background necessary for admission differ by specific concentration.

## Student Financial Support

A small number of scholarships may be available through the College of Education or NC State University. For those who apply for financial aid, there may be some grants available through the university. There

are also federal loan forgiveness programs. Please discuss these opportunities directly with program area faculty.

## Degrees

- Science, Technology, Engineering, and Mathematics Education (MEd) (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/science-technology-engineering-mathematics-education-med/>)
- Science, Technology, Engineering, and Mathematics Education (MEd): Engineering and Technology Education Concentration (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/stem-med-engineering-technology-education-concentration/>)
- Science, Technology, Engineering, and Mathematics Education (MEd): Mathematics & Statistics Education Concentration (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/science-technology-engineering-mathematics-education-med-mathematics-statistics-education-concentration/>)
- Science, Technology, Engineering, and Mathematics Education (MEd): Science Education Concentration (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/science-technology-engineering-mathematics-education-med-science-education-concentration/>)
- Mathematics Teaching and Learning (Certificate) (<http://catalog.ncsu.edu/graduate/education/science-technology-engineering-mathematics-education/mathematics-teaching-learning-certificate/>)

## Full Professors

Margaret R. Blanchard

Aaron Catron Clark

Karen Flanagan Hollebrands

Carla Johnson

Melissa Gail Jones

Hollylynn Stohl Lee

Soonhye Park

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## Associate Professors

Sarah J. Carrier

Cesar Delgado

Cameron DeLeon Denson

Jessica Heather Hunt

Temple A. Walkowiak

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## Assistant Professors

Robin Keturah Anderson

Kirstin Collette Rogis Busch

Sunghwan Byun

Ruby LaTeshia Ellis

Tamecia Raishaun Jones

Erin Krupa

Jonee Wilson

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## **Practice/Research/Teaching Professors**

Cynthia Page Edgington

W. Matthew Reynolds

Kevin Gregory Sutton

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## **Professor emeritus**

Jere Confrey