

Department of Teacher Education and Higher Education Faculty



Vicki Jacobs (vrjacobs@uncg.edu) is the Yopp Distinguished Professor of Mathematics Education. Her research interests focus on understanding and promoting professional development opportunities for teachers. She also studies children's mathematical thinking, and research in this area forms the basis of her professional development work with teachers. She is particularly interested in designing, facilitating, and studying professional development that involves long-term collaborations with teachers and schools. Vicki coordinates the Ph.D. concentration in Mathematics Education.



Kerri Richardson (kerri_richardson@uncg.edu) is an associate professor of Mathematics Education. Her research interests include how teachers use representations to improve students' understanding of mathematical content, primarily in the area of early algebra. She is also interested in students' mathematical thinking and how teachers can help students develop spatial abilities. Kerri coordinates the M.Ed. in Elementary Mathematics program.



Holt Wilson (phwilson@uncg.edu) is an associate professor of Mathematics Education. His research focuses on teacher learning of student mathematical thinking, student-centered mathematics instruction, and professional development. Holt coordinates the M.Ed. in Middle and Secondary Mathematics program.

Department of Mathematics and Statistics Faculty



Tracey Howell (thowell@uncg.edu) is a lecturer in the Department of Mathematics and Statistics and teaches mathematics and mathematics education courses.



Carol Seaman (ceseaman@uncg.edu) is an associate professor of Mathematics in the Department of Mathematics and Statistics. Carol coordinates the undergraduate secondary mathematics licensure program.



THE UNIVERSITY of NORTH CAROLINA
GREENSBORO

School of Education

Master of Education

Concentration in Middle Grades and Secondary Mathematics
New Cohort beginning Fall 2016

Our program aims to support current classroom mathematics teachers at the middle grades and secondary levels in becoming instructional leaders in Mathematics Education. The course of study is designed for an in-depth exploration of issues related to mathematics knowledge for teaching, student-centered instructional practices, classroom assessment, and implications of research. Upon completion of the program, graduates may apply for an "M" NC Professional Educator's License. Applicants should hold a middle grades or secondary mathematics teaching license and have completed at least 2 years of teaching by Spring 2016.

What do graduates say about the program?

As a result of my time in the M.Ed. program, I have become much more intentional with the instructional decisions I make as a classroom teacher and feel more prepared to lead others in the teaching profession.

I have become a more thoughtful, reflective, and patient teacher (as well as person). I believe the program has given me the "big picture" of where I fit in the world of education. It has empowered me to make the changes that I can as opposed to being discouraged by what I cannot change.

The cohort and professors are very motivating and understanding that you're working full time and getting a master's degree. Additionally, each professor cares for you and your classroom.

Tentative Course of Study

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|-------------|------------------|
| Fall 2016 | TED 630, TED 669 |
| Spring 2017 | TED 671, MAT 520 |
| Summer 2017 | TED 646, ERM 605 |
| Fall 2017 | TED 673, TED 676 |
| Spring 2018 | TED 677, MAT 503 |
| Summer 2018 | Math Ed Elective |

Core Courses (3 courses)

TED 646: Introduction to Equity Education*
TED 669: Educational Implications of Learning Theory*
ERM 605: Educational Measurement & Evaluation*

Concentration Courses (5 courses)

TED 630: Mathematics Teaching in Middle and Secondary Schools *
TED 671: Thinking and Learning in Middle and Secondary Mathematics:
Number & Algebra*
TED 673: Thinking and Learning in Middle and Secondary Mathematics:
Geometry, Statistics, and Probability *

Mathematics Education Elective Courses (select 1)

TED 664: Problem Solving in Mathematics*
TED 667: Technology in Middle & Secondary Mathematics*
TED 670: Research in Mathematics Education*

Mathematics Courses (select 2)

MAT 503: Problem Solving in Mathematics
MAT 504: Foundations of Geometry for Teachers
MAT 505: Foundations of Mathematics for Teachers
MAT 513: Historical Development of Mathematics

Professional Development and Leadership Courses (2 courses)

TED 676: Teacher as Leader and Researcher I*
TED 677: Teacher as Leader and Researcher II*

*Courses currently offered off-campus

How long does the program last?

A little under two calendar years. The program begins in August 2016 and finishes June 2018.

Where will the courses meet?

All TED courses are classified as Distance Education classes and will meet off-campus or virtually. MAT courses may meet on UNCG's campus, off campus, or virtually.

How much does it cost?

Tuition rates change from year to year. For the 2015-16 academic year, on-campus tuition is approximately \$1500 per course. Off-campus tuition is approximately \$800 per course

How many teachers will you admit?

There are 25 spaces available in the cohort beginning Fall 2016 with considerable interest already. Applicants are considered in the order in which they apply.

How do I apply?

A suggested application deadline is April 1, 2016. Note that the GRE is no longer a requirement. Visit UNCG's Graduate School homepage for more information, an online application, and codes needed when registering for the GRE.

Is financial aid available?

Many teachers qualify for financial aid. In addition, teachers may qualify for the TEACH grant which offers tuition assistance in return for agreeing to teach in a high needs school.

Where can I find out more information?

[Mathematics Education at UNCG webpage](#)
[M.Ed. in Teacher Education webpage](#)
[The Graduate School](#)
[Tuition and Fees Information](#)
[Financial Aid Information](#)
[TEACH Grant](#)