

# DEPARTMENT OF MATHEMATICS

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The Department of Mathematics offers the M.S. degree and the M.A. degree. Both degrees have the thesis and non-thesis options, and both require 30 hours of graduate-level courses.

The M.S. has three concentrations available. The M.S. (general mathematics) provides knowledge in such traditional areas as analysis, algebra, topology, and applied mathematics, and is recommended for students who wish to obtain a Ph. D. degree, to teach in a community college, or to seek employment in industry with an emphasis on conceptual foundations. The M.S. (computational mathematics) is designed for students seeking employment in industry with an emphasis on computational mathematics and/or computer science in addition to knowledge in traditional areas. The M.S. (mathematical economics) is for students that have completed WKU's mathematical economics major or want to work as a mathematical economist in industry, and want to complete their thesis under the direction of a math faculty member.

The M.A. degree is designed for students interested in careers in secondary education and will help students become more knowledgeable about the mathematics they will teach in high school and make connections and extensions of that knowledge to college and higher mathematics.

## Programs

- Mathematics, Master of Arts (049) (<http://catalog.wku.edu/graduate/science-engineering/mathematics/mathematics-ma/>)
- Mathematics, Master of Science (085) (<http://catalog.wku.edu/graduate/science-engineering/mathematics/mathematics-ms/>)

## Faculty

### Professor

Ferhan Atici PhD (Mathematics and Statistics), University of Nebraska-Lincoln, 1995  
Melanie A. Autin PhD (Statistics), University of South Carolina - Columbia, 2007  
Tilak Bhattacharya PhD (Mathematics), Purdue University Main Campus, 1988  
Molly Dunkum PhD (Mathematics), University of Kentucky, 2005  
Mikhail Khennner PhD (Physico-Mathematical Sciences), Perm State University-Russia, 1999  
Dominic A. Lanphier PhD (Mathematics), University of Minnesota-Twin Cities, 2000  
Hope L. Marchionda PhD (Curriculum and Instruction), Clemson University, 2006  
Ngoc B. Nguyen PhD (Mathematics), Bowling Green State University, 2010  
Thanh L. Nguyen PhD (Mathematics), Ohio University Main Campus, 2002

### Associate Professor

Daniel L. Clark PhD (Mathematics Education), Michigan State University, 2016

Kanita K. DuCloux PhD (Mathematics Education), University of Georgia, 2009

Nicholas C. Fortune PhD (Mathematics Education), North Carolina State University, 2018

Samangi Munasinghe PhD (Mathematics), Texas A & M University, 2006

Ahmet O. Ozer PhD (Applied Mathematics), Iowa State University, 2011

Attila Por PhD (Mathematics), Eotvos Lorand University-Hungary, 2003

Richard C. Schugart PhD (Applied Mathematics), North Carolina State University, 2005

Lukun Zheng PhD (Applied Mathematics), University North Carolina Charlotte, 2015

### Assistant Professor

Zachary S. Bettersworth PhD (Mathematics Education), Arizona State University-ALL, 2023