

## General Information

The Department of Mathematics offers two major programs of study. The Bachelor of Science degree in Mathematics prepares mathematics students for a wide variety of vocations in both industry and government service. The Bachelor of Science in Mathematics Education degree is for individuals who plan teaching careers in mathematics. Both degrees require 39 to 41 semester hours of mathematics courses beyond the University's General Education (GE) requirement.

## Graduate Schools

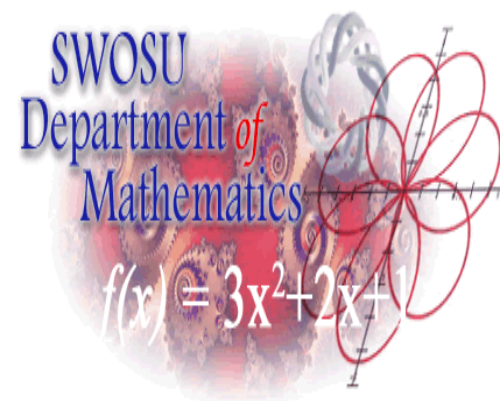
Timothy Gaston - Oklahoma University  
Moin Khan - Oklahoma University  
Vaibhav Pandya - University of Oregon  
Vishnu Pokhrel - University of Michigan  
Cammi Valdez - Harvard University  
Anh Dawson - University of Washington  
Adam McCowan - Texas Tech



**SWOSU**

# Mathematics

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## Mathematics Alumni:

Jenna Abbot -	Accounting Firm, Hydro
Angela Archer -	Teaching, Texas
Bhaskar Basnet -	Halliburton
Krystal Brauchi -	Chesapeake Engineering Technician
Crystal Clay -	Teaching, Muskogee
Tyrel Crall -	Halliburton Project Engineer, Liberal, KS
Shyla Fast -	Chesapeake Engineering Technician
Keri Hoffman -	Teaching, Butler High School
Jesse Kulczycki -	Teaching, El Reno High School
Ashley McMunn -	Teaching, Mustang High School
Jacinda Padgett -	Teaching, El Reno High School
Keith Peters -	Accountant, Federal Government
Ashis Shrestha -	Chesapeake
Samantha Snider -	Teaching, Carnegie High School
Jeremy Townley -	Trinity Consultants, OKC
Jacob Pool -	Police Officer, Weatherford
Kandi Wilson-	Chesapeake
Joe Wilson-	Energy Construction

## What you can do with a Math Major

A mathematics major or minor provides students with many job opportunities besides teaching. Actuaries, computer programmers, economists, bankers, analysts, and many more professionals often have an undergraduate math degree. Most job settings require workers to be problem solvers. While a “pure math” degree opens many doors, a mathematics major or minor enhances job placement in almost any area. Mathematics graduates from SWOSU have been successful in finding jobs in a wide variety of career fields and in pursuing graduate degrees in mathematics, computer science, physics, chemistry, and other technical fields.

## Technology and Math

The Mathematics Department promotes technology in the teaching and learning of mathematics. Students have opportunities to learn to use powerful mathematical software, such as LaTeX, Geometer’s Sketchpad, Geogebra, Derive and Minitab. In addition, several classroom sets of graphing calculators are often used as problem-solving and investigative tools. All students enrolled in College Algebra are able to borrow a graphing calculator.

## Mathematics Honor Society

Southwestern Oklahoma State University has an active chapter of the Mathematics Honor Society, Kappa Mu Epsilon (KME), whose main objective is to further student interest in mathematics and to familiarize the members with advances being made in the subject. Many students in the Mathematics Department have been active in joining KME and in attending regional and national meetings organized by the society and the Mathematical Association of America.

## Mathematics Faculty and Staff

Dr. Michael Dougherty—Chair  
Mr. Warren Akers  
Dr. Guy Biyogmam  
Dr. Hung-Chieh Chang  
Ms. Catherine DeVaughan  
Dr. Gerry East  
Dr. Ronald Koehn  
Dr. Thomas McNamara  
Ms. Kathleen O’Neal  
Dr. Roberto Rivera

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