

# MATHEMATICS, STATISTICS, AND COMPUTER SCIENCE

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Patty Martinez, Regents Math 307  
507-786-3113  
martinep@stolaf.edu  
wp.stolaf.edu/mscs (<http://wp.stolaf.edu/mscs>)

The Department of Mathematics, Statistics, and Computer Science offers programs in all three disciplines, including majors in mathematics and computer science and a concentration in statistics. For more information on each program, see the separate listings under Computer Science (<http://catalog.stolaf.edu/archive/2016-2017/academic-programs/computer-science>), Mathematics (<http://catalog.stolaf.edu/archive/2016-2017/academic-programs/mathematics>), and Statistics (<http://catalog.stolaf.edu/archive/2016-2017/academic-programs/statistics>).

## Faculty

### Chair, 2016-2017

#### Kristina C. Garrett

Professor of Mathematics, Statistics, and Computer Science  
enumerative and algebraic combinatorics; partition theory; q-series

#### Richard J. Allen

Professor of Mathematics, Statistics, and Computer Science  
logic programming; intelligent tutoring systems; computer science; Islamic geometric patterns; bioinformatics

#### Joseph J. Benson

Visiting Assistant Professor of Mathematics, Statistics, and Computer Science  
differential geometry; differential equations; lie groups; symmetries; moving frames

#### Adam H. Berliner

Associate Professor of Mathematics, Statistics, and Computer Science  
combinatorial matrix theory; linear algebra; graph theory

#### Richard A. Brown (on leave spring)

Professor of Mathematics, Statistics, and Computer Science  
computer science; parallel/distributed systems

#### Debra L. Czarneski

Visiting Associate Professor of Mathematics  
graph theory

#### Jill Dietz

Professor of Mathematics, Statistics, and Computer Science  
algebraic topology; group theory

#### Kosmas J. Diveris

Assistant Professor of Mathematics, Statistics, and Computer Science  
commutative algebra; homological algebra

#### Robert D. Eisinger

Instructor in Mathematics, Statistics, and Computer Science

#### Vinayak Elangovan

Visiting Assistant Professor of Mathematics, Statistics, and Computer Science

#### Kathryn Ziegler Graham

Associate Professor of Mathematics, Statistics, and Computer Science  
biostatistics

#### Olaf A. Hall-Holt

Associate Professor of Mathematics, Statistics, and Computer Science  
computational geometry; computer vision/graphics

#### Bruce Hanson

Professor of Mathematics, Statistics, and Computer Science  
real analysis; complex analysis

#### Paul Humke (on leave)

Professor of Mathematics, Statistics, and Computer Science  
real analysis; dynamical systems

#### Sharon J. Lane-Getaz

Associate Professor of Mathematics, Statistics, and Computer Science and Education  
statistics; statistics education

#### Julie M. Legler

Professor of Mathematics, Statistics, and Computer Science  
biostatistics

#### Ryota Matsuura (on leave Interim and spring)

Associate Professor of Mathematics, Statistics, and Computer Science  
mathematics education; algebraic number theory

#### Steven McKelvey

Professor of Mathematics, Statistics, and Computer Science, Registrar and Assistant Vice President for Academic Affairs  
operations research; wildlife modeling

#### Janice Pearce

Visiting Professor of Computer Science  
swarm robotics; environmental modeling; computer science education

#### Bruce E. Pell

Instructor in Mathematics, Statistics, and Computer Science

#### Marju Purin

Assistant Professor of Mathematics  
homological algebra; representation theory

#### Matthew P. Richey

Professor of Mathematics, Statistics, and Computer Science  
applied and computational mathematics

#### Paul J. Roback (on leave)

Professor of Mathematics, Statistics, and Computer Science  
statistics

#### Kay E. Smith

Associate Professor of Mathematics, Statistics, and Computer Science  
logic; discrete mathematics

#### Paul Zorn

Professor of Mathematics, Statistics, and Computer Science  
complex analysis; mathematical exposition