

# MATHEMATICS, STATISTICS, AND COMPUTER SCIENCE

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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/academic-programs/computer-science>), Mathematics (<http://catalog.stolaf.edu/academic-programs/mathematics>), and Statistics (<http://catalog.stolaf.edu/academic-programs/statistics>).

## Faculty

### Chair, 2017-2018

#### 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

#### Adam H. Berliner

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

#### Richard A. Brown

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

#### 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

Visiting Assistant Professor of Mathematics, Statistics, and Computer Science

#### Kathryn Ziegler Graham

Associate Professor of Mathematics, Statistics, and Computer Science  
biostatistics

#### William Grodzicki

Instructor in Mathematics

#### Olaf A. Hall-Holt (on leave)

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

#### Bruce Hanson (on leave spring)

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

#### Paul Humke

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 fall)

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

#### 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

Professor of Mathematics, Statistics, and Computer Science  
statistics

#### Kay E. Smith

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

#### David P. Walmsley

Instructor in Mathematics

#### Paul Zorn

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