

# Welcome to the School of Mathematics!

New math majors  
Tuesday 23 October 2018



UNIVERSITY OF MINNESOTA  
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# What can I do with a math degree?

- Actuarial science and finance
- Computer science, data security
- Mathematical biology
- Data analysis
- Industrial/systems/operations mathematics
- Teaching math
- Graduate study, mathematical (and other) research



# CareerCast

## JOBS RATED REPORT

### THE BEST JOBS OF 2015

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#### MATH MATTERS

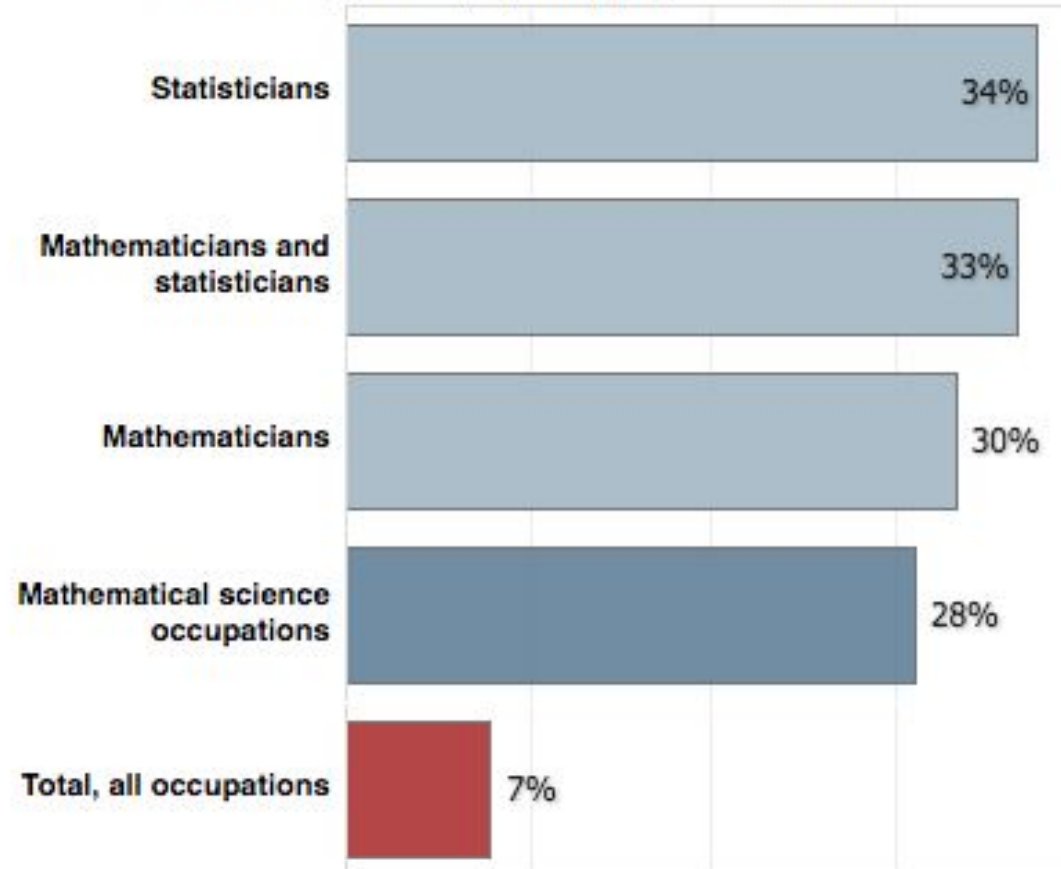
1. ACTUARY
3. MATHEMATICIAN
4. STATISTICIAN
6. DATA SCIENTIST



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## Mathematicians and Statisticians

Percent change in employment, projected 2016-26



Note: All Occupations includes all occupations in the U.S. Economy.

Source: U.S. Bureau of Labor Statistics, Employment Projections program



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# Plan

- Introductions to staff, faculty, advisers, and undergraduate/graduate math students
- Opportunities in the department aside from courses and programs
- Reception after this session



# Advising continues at the U/college level

- College of Science and Engineering
- College of Liberal Arts
- University Honors Program



# Working with our undergraduate office

Carla Claussen

Stephanie Lawson

- Scheduling advising appointments – advancing holds
- Registration for courses – obtaining permission to register for courses that appear to be closed
- **Email:** [ugrad@math.umn.edu](mailto:ugrad@math.umn.edu)
- **Website:** [math.umn.edu/undergraduate](http://math.umn.edu/undergraduate)
- **Office:** 115 Vincent Hall, 612-625-4848



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# Course planning

- CSE math majors: we will soon send an email prompting you to arrange an advising meeting between now and the beginning of Spring 2019 registration, which opens **Tuesday 13 November**.
- CLA math majors: we encourage you to contact us for course planning advice, but it is not required in advance of registration.





# Advisers

- Kate Lewis
- Dmitriy Bilyk
- Markus Keel
- Gregg Musiker (honors liaison)
- Arnab Sen
- Natalie Sheils
- and actuarial advisers on a later slide



# BA/BS Math specializations

- Actuarial mathematics
- Mathematics Education
- Computer Applications
- Mathematical Biology
  - Genomics
  - Physiology
- [No specialization]



# Minnesota Center for Financial and Actuarial Mathematics (MCFAM)

- Rina Ashkenazi, Academic Director
- Laurie Derechin, Executive Director
- Aileen Lyle, Adviser
- Doreen Vescelius, Adviser



# Organizations & opportunities

- Alex St Martin (Actuary Club)  
[actuary@umn.edu](mailto:actuary@umn.edu)
- Julie Sherman (UG research, TA)
- Harini Chandramouli (SIAM, UG research seminar, problem solving)  
[chand409@umn.edu](mailto:chand409@umn.edu)
- McCleary Philbin (WiM, MPM)  
[wimmn@umn.edu](mailto:wimmn@umn.edu)
- Sarah Brauner (Math Club - Th 12:20 - VinH 570)  
[mathclub.math.umn.edu](http://mathclub.math.umn.edu)



# Other opportunities

[math.umn.edu/undergraduate](http://math.umn.edu/undergraduate)

- Research funding opportunities: UROP, REU, travel fund
- Employment as paper grader, exam proctor, undergraduate TA, ULA (apply in Vincent 115)
- Apply in March for 2019-20 department scholarships. Look for email with link to online application.



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Join us for a reception  
upstairs in Vincent Hall 120



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