Research
Our faculty and students engage in research both in core areas of mathematics as well as in various interdisciplinary projects and grants. The research atmosphere is enhanced by weekly seminars and colloquia featuring lectures by local and visiting mathematicians, and the annual Lonseth and Milne lectures. Students have opportunities to attend regional, national, and international conferences.

Classes
In the first years, students develop breadth in mathematics and establish a foundation for the area in which they will concentrate. PhD students typically complete a qualifying exam in the second year, followed by an oral exam. The coursework covers both core mathematics areas as well as specialty topics. The PhD and MS degree programs can include a minor in a different field as well as interdisciplinary studies. PhD students may opt to obtain a MS degree, and MS students may transfer to the PhD program.

Alumni
Our PhD and MS graduates hold faculty positions in the United States (Tulane, Cal Poly, UT Austin, and many regional universities and community colleges) as well as in Brazil, the United Kingdom, Canada, Colombia, Ireland, Kuwait, Korea, Nepal, New Zealand, Thailand, and other countries. Some work as actuaries (Milliman, Inc., State Farm, UNUM, Bookbyte E-Commerce, Republic Group, SAIF Corp.), in industry (Intel, Samsung and more), and in government and research labs (National Security Agency, Los Alamos, National Energy Technology Laboratory and Bonneville Power Administration).

"Flow in Oregon," collaborative project in a Finite Element class.

"As an international student, beside the robust environment, I really like the friendly environment. My department has given me great opportunities, teaching assistants and research assistants have been very helpful and our research work was wonderful." - H.A., current student

"The opportunity to work with highly skilled researchers from the Math Department at OSU got me where I am in my career today: happily employed and doing what I love, Math." - V.K., PhD 2011

"I chose the OSU Math Department because I wanted to learn from the math faculty and have created an environment where students can learn and grow. I also appreciated the opportunity to do research and interact with other disciplines." - S.L., PhD 2015

"I came to Oregon State interested in applied mathematics, and chose to work in numerical analysis. I have had many excellent research opportunities since coming to OSU, including internships and funding for my dissertation. This has allowed me to focus exclusively on research and has provided me with the tools and contacts to pursue a career in industry." - D.M., current student

More at: math.oregonstate.edu/brochure

Mathematics
Graduate Program Information

Students

math.oregonstate.edu
Nestled in the scenic Willamette valley of western Oregon, Corvallis is a small, vibrant city of about 50,000 residents. The university and the town are actively engaged in fostering cultural diversity, and healthy living. Nearby attractions include the rugged Oregon coast, the high Cascade mountains, and world-class rock climbing, skiing, and hiking adventures. Corvallis is bike-friendly, and ranks highly on national lists for quality of life, sustainability, and per capita level of innovation.

**Distinctive Features of Our Program**

- Collaborative working and studying environment
- Faculty support in coursework, research, and teaching
- Opportunities for teaching experience, including a Graduate Certificate in Undergraduate Teaching
- Opportunities for interdisciplinary minors and projects

### FACULTY

- **Mary Beisiegel** Mathematics Education
- **William Bogley** Group Theory, Topology
- **Vrushali Bokil** Numerical Analysis, Mathematical Biology, Applied Mathematics
- **Robert Burton** Probability
- **Elaine Cozzi** Analysis of PDEs
- **Radu Dascaliuc** Analysis of PDEs
- **Patrick De Leenheer** Mathematical Biology
- **Thomas Dick** Mathematics Education
- **Tevian Dray** Geometry, Relativity, Mathematical Physics, Mathematics Education
- **Christine Escher** Algebraic Topology and Differential Geometry
- **Adel Faridani** Numerical Analysis, Applied Analysis, Computed Tomography
- **David Finch** Analysis, Computed Tomography
- **Mary Flahive** Number Theory, Applications to Computer Science
- **Nathan Gibson** Numerical Analysis, Uncertainty Quantification, Electromagnetics
- **Ren Guo** Topology, Geometry
- **Robert Higdon** Numerical Analysis, PDE, Applications to Ocean Modeling
- **David Koslicki** Mathematical Biology, Probability, Bioinformatics
- **Yevgeniy Kovchegov** Probability
- **Elise Lockwood** Mathematics Education, Combinatorics
- **Mina Ossiander** Probability, Stochastic Processes, Applications in the Physical and Social Sciences
- **Malgorzata Peszynska** Numerical and Applied Analysis, Multiscale Modeling
- **Clayton Petsche** Number Theory, Arithmetic Dynamical Systems
- **Petri Juha Pohjanpelto** Geometry
- **Juan Restrepo** Uncertainty Quantification, Applications in Oceanography and Physics
- **Thomas Schmidt** Number Theory, Continued Fractions, Translation Surfaces
- **Ralph Showalter** Analysis of PDEs, Modeling Diffusion and Deformation, Poromechanics
- **Holly Swisher** Number Theory, Modular Forms, Partitions, Hypergeometric Series
- **Enrique Thomann** Analysis of PDEs, Probability, Financial Mathematics
- **Edward Waymire** Applied Probability

OSU offers MS, MA, and PhD degrees in Mathematics. In our graduate program we typically have about 30 PhD and 40 MS students who come from various national and international undergraduate and masters programs, with degrees mostly (but not exclusively) in mathematical sciences. Each year we welcome 15-20 new graduates into our friendly and collaborative environment.

**See more program information at:**

www.math.oregonstate.edu/graduate

**Graduate Assistantship Compensation**

- complete tuition remission and nine-month stipend
- 85% of the student health insurance premium

Graduate Teaching Assistants teach their own classes or serve as assistants for larger classes. A full-time GTA workload of 16 hours/week typically involves 4-5 contact hours. Some students work as Graduate Research Assistants (GRAs) on research or education projects, funded by sources such as the NSF or DOE. GRAs are arranged depending on the availability of grant funds. Some students come with their own fellowships, or are self-supported. Applicants and current students are eligible for University fellowships and scholarships. Some teaching appointments, internships, and GRA appointments are available in the summer.

**Apply to the Graduate Program:**

www.math.oregonstate.edu/graduate-apply

The annual application deadline is January 15th.

**Contact Us!**

Graduate Coordinator:
gradinfo@math.oregonstate.edu
ph: 541.737.5113
fax: 541.737.0517

**OREGON**