Portland State University is an urban, comprehensive, research university. It is the largest university in Oregon, with over 28,000 students and more than 200 undergraduate, master’s, and doctoral degrees. The campus is centered on the beautiful, tree-lined Park Blocks in downtown Portland, close to museums, cultural events, shopping, and walks along the Willamette River or in old-growth Forest Park. A variety of housing options convenient to campus are available for both faculty and students.

Portland
Located in the heart of the Pacific Northwest, “America’s Best Big City” is a scenic place offering the perfect combination of urban sophistication, small town accessibility, and the great outdoors. Portland is ranked as one of the top cycling cities in the United States and an accessible public transportation system links the metro area’s neighborhoods, restaurants, parks, shopping districts, and sports venues. In just over an hour drive from Portland, you can hit the beach on the Oregon Coast, hike in Eastern Oregon’s High Desert, enjoy world-class windsurfing in the Columbia Gorge, and ski year-round on Mt. Hood.

Graduate Programs in Mathematics Education
The programs in mathematics education in the Fariborz Maseeh Department of Mathematics and Statistics strive to prepare educators in mathematics at all levels and develop leaders of mathematics education for the region and nation. Our graduate programs prepare students in mathematics content, cutting-edge pedagogy, and the most up-to-date research on the learning and teaching of mathematics. Graduates of our programs have gone on to become successful educational researchers and educators in mathematics and statistics.

PhD in Mathematics Education
The PhD in Mathematics Education aims to develop educators with an understanding of mathematics and its teaching and learning, and with the capabilities for research and professional practice in the field. This program provides a balance between mathematics and mathematics education in order to develop mathematics educators who can become faculty members in mathematics departments or schools of education in universities, four year colleges, or community colleges; curriculum specialists in mathematics, supervisors of mathematics at the middle school level or secondary school level, or mathematics specialists in state or local departments of education; and private sector specialists in mathematics education.

Candidates in this program must currently have (or complete during their program) a master’s degree in mathematics equivalent to the MS/MA degree or the MST/MAT degree at Portland State University.

General Degree Requirements
Candidates must complete an approved program of 84 credit hours consisting of three major components: coursework, a research practicum experience, and dissertation research. Coursework must include a minimum of:

- 18 credit hours in Mathematics Education Research Courses (Mathematics 690 - 695);
- 18 credit hours of other 500-600 level mathematics courses; and
- 18 hours of graduate coursework in supporting areas outside of mathematics (such as curriculum and instruction, psychology, educational policy, science, computer science, philosophy, sociology, anthropology, etc.)

Research Practicum
3 credit hours of Research Practicum

Dissertation Research
27 credit hours of Doctoral Dissertation

Read more about course requirements at www.pdx.edu/math/ph-d-mathematics-education.
Mathematics Education Faculty

Steven Boyce
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PhD (2014) Virginia Tech, Mathematics Education
MS (2010) Virginia Tech, Mathematics
MAED (2003) Virginia Tech, Curriculum & Instruction
Research interests: Students’ learning of mathematics (K-16), modeling students’ mathematical development (primarily middle-grades).

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Research interests: Undergraduate mathematics teaching and learning (particularly advanced mathematics), mathematical preparation of mathematics teachers.

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Research interests: Undergraduate mathematics teaching and learning (particularly calculus and dynamical systems), mathematics professional development, equity issues in mathematics education.

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PhD (2007) Portland State University (Mathematics Education)
Graduate Certificate in Applied Statistics (2007) PSU
MST (1998) Portland State University (Mathematics)
Research interests: Undergraduate mathematics teaching and learning (particularly statistics education), mathematical preparation of high school teachers.

Jeanette R. Palminter
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PhD (1986) The Ohio State University (Mathematics Education)
MS (1983) University of Illinois (Mathematics)
Research interests: Undergraduate mathematics teaching and learning, teacher education, use of computing in mathematics and statistics education.

Eva Thanheiser
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PhD (2005) San Diego State University/University of California San Diego
MS (1998) University of Kansas (Mathematics)
Research interests: Mathematics and teacher education primarily at the K-8 level, motivation to learn mathematics, professional development.

Admissions
Candidates in this program must currently have (or complete during their program) a master’s degree in mathematics equivalent to the MS/MA degree or the MST/MAT degree at Portland State University. Applications for fall term admission must be received by January 10th. Applications for winter and spring terms must be submitted at least two terms prior to when admission is desired.

Applicants must also furnish transcripts of undergraduate and graduate studies; scores for the Graduate Record Examination; a professional portfolio; and three letters of recommendation from persons qualified to comment on the applicants’ previous experience in mathematics education and potential for success in this PhD program in mathematics education. At least one of these letters should comment on the candidate’s teaching experience. Find out more about admission requirements at www.pdx.edu/math/ph-d-mathematics-education.

Financial Support
The Fariborz Maseeh Department of Mathematics and Statistics has a limited number of Graduate Assistantships available on a competitive basis. Graduate Assistants receive both tuition remission and a stipend for the academic year (Fall, Winter and Spring Terms). Additional information can be found at www.pdx.edu/math/graduate-teaching-assistantships. Applicants will be asked during the online departmental application process to indicate if they are interested in receiving a graduate assistantship.

Alternate funding opportunities are also available on the Office of Graduate Studies website at www.pdx.edu/ogs/financing-your-education and information on financial aid is available on the University website www.pdx.edu/finaid.

For More Information
The Fariborz Maseeh Department of Mathematics and Statistics at Portland State University offers many courses in mathematics, statistics and mathematics education. For more information about these and other programs, please visit www.pdx.edu/math, or call 503-725-3621.