The University of Wyoming offers a PhD degree program in Mathematics Education.

**Program Highlights**

- Practical mathematics knowledge for K-12 teachers,
- Focus on cognition and theories of how children learn mathematics,
- Focus on equity, diversity, and social justice in mathematics education,
- Focus on theories and practices of mathematics instruction and assessment, and
- Focus on classroom-based research design.

The PhD degree program is structured to meet the needs of working professionals: Courses are offered on-line during the school year. Face-to-face courses are offered during summers.

**PhD Application Deadline for Fall and Summer:**

Open, but early application is strongly encouraged for those seeking GA support.

**Funded Graduate Assistantships (GA) are available**
Mathematics Education Faculty:

Jacqueline Leonard: Dr. Leonard’s research interests include teaching mathematics for social justice, culturally specific pedagogy, and informal STEM education. In the past 10 years, her work has focused on urban and rural teachers’ development of equitable mathematics teaching practices and in the past five years, students’ development of computational thinking. While at the University of Wyoming, Dr. Leonard has served as Principal Investigator on three National Science Foundation grants and as Co-Principal Investigator on one U.S. Department of Education grant.

Linda Hutchison: Dr. Hutchison’s research interests include the teaching of mathematics at the secondary level including the use of technology and programming. She is currently the Lantz Distinguished Education Chair doing research on the graphical literacy of mathematics teachers and students. Her mathematics teacher education interests extend to work with preservice and in-service mathematics teachers.

Michelle Chamberlin: Dr. Chamberlin’s research interests are in studying the impact of mathematics teacher education and how to enhance the effectiveness of mathematics coursework and professional development for prospective and practicing teachers. She has published in various journals including the Journal of Mathematics Teacher Education, School Science and Mathematics, and Mathematics Teacher Education and Development. In 2009, Dr. Chamberlin was the recipient of the Extraordinary Merit Award for Teaching from the University of Wyoming College of Arts and Sciences.

Richard Kitchen: Dr. Kitchen’s research interests include diversity and equity in mathematics education, school reform at urban schools that serve the poor, and formative assessment of English language learners. He is the author of one book, lead author of another book, the co-editor of two books, and initiated and served as a co-editor of the first two TODOS: Mathematics for All Research Monographs. Dr. Kitchen has worked nationally and internationally with numerous schools as a consultant and professional development provider in mathematical content, pedagogy, and assessment.

Scott Chamberlin: Dr. Chamberlin’s research interests include the use of problem solving activities with upper elementary and middle grade gifted students. He is also interested in student development of highly creative mathematical solutions while completing mathematical problem solving tasks. Much of this work is a direct result of his work with Model-eliciting Activities (MEAs).