**Teaching Middle School Mathematics (Advanced) Program Description**

The Department of Mathematical Sciences has a very active group of mathematics educators whose research interests lie in the areas of cognition, curriculum development, foundational issues of mathematics education, interdisciplinary mathematics, history and philosophy of mathematics and mathematics education, models and modeling research, mathematics gifted education, assessment, and technology education.

The Master of Arts in Teaching Middle School Mathematics degree addresses the specific need for highly qualified teachers of mathematics at the middle grades level. Students in this program learn mathematics content and pedagogy to provide them with skills and expertise to teach middle school students appropriate mathematics. The program is available mostly online, with a two-summer on-campus requirement.

Students can begin the program in any summer. C&I 588 Action Research in Classrooms should be taken early in the program. During and following the course, students will work on their final project during the school year with their advisor and committee, then present their results in the final term. Middle school teachers in MATMSM Program will learn mathematics content and pedagogy to provide them with skills and expertise to teach appropriate mathematics. One course is specific to mathematics pedagogy (C&I 542). Another course (C&I 588) focuses on classroom research. In addition, appropriate pedagogy and technology will be modeled in all courses. Components of this program are offered online with two summer sessions, each consisting of two or three courses. Summer courses typically involve one week of face-to-face (FTF) sessions on campus with online assignments completed later.

**Teaching Middle School Mathematics (Advanced) Program Links**

Master of Arts Mathematics Teaching Information: [http://cas.umt.edu/math/graduate/](http://cas.umt.edu/math/graduate/)

Graduate School Information: [http://www.umt.edu/grad/Programs/Mathematical%20Sciences.php](http://www.umt.edu/grad/Programs/Mathematical%20Sciences.php)

Course Catalog: [http://www.umt.edu/catalog/cat/cas/math.html](http://www.umt.edu/catalog/cat/cas/math.html)