STEM EDUCATION WITH A CONCENTRATION IN MATHEMATICS EDUCATION, MA

Introduction

The need for qualified and effective mathematics teachers has never been greater. University of Colorado Denver recognizes that impactful mathematics teaching requires a deep understanding of both student learning and mathematic content. Graduates of the STEM MA mathematics education concentration are positioned to work successfully in leadership roles in urban and diverse schools and understand the important role mathematics play in their student's lives.

Program Delivery

This degree is available on-campus or completely online.

Program Requirements

This degree plan does not include a license or an endorsement.

This degree option is available for on-campus students. Core Courses are fully online. You may choose elective courses in on-campus, hybrid, or fully online formats.

Code	Title	Hours
Core Courses		
MTED 5621	A World of (Different) Numbers: Quantity and Operation	3
MTED 5622	Expanding Conceptions of Algebra	3
MTED 5623	Geometrical Ways Of Reasoning	3
MTED 5301	Assessment and Equity in Mathematics Instruction	3
Thematic Courses		
The Thematic Course Categories is a collection of courses across all SEHD disciplines designed to allow students to expand student learning.https://education.ucdenver.edu/academic-services/student-resources/thematic-course-categories (https://education.ucdenver.edu/academic-services/student-resources/thematic-course-categories/)		
Course 1		3
Course 2		3
Course 3		3
Course 4		3
Course 5		3
Research Course		
RSEM ___ [1]		3
Capstone Course		
MTED ___ [2]		
Total Hours		**30**

[1] To be decided by student with Faculty Advisor

[2] The Capstone Project is completed in your final core course.

Capstone Project

The Capstone project fulfills the COMPS requirement for the MA Degree. The Capstone project should extend beyond your graduate coursework. The project can be on a topic of your choosing. Prior to beginning the project, get your advisor's approval for your project topic. The project can take many forms. Most typically, students submit a written paper as a final product. Yet, we are open to a range of possibilities. We recommend that the project be something that helps to further your learning and growth in your practice of teaching students. We intentionally provide a broad range of possibilities for final projects, so that we can best tailor the projects to students' learning and growth goals.

Program Requirements and Courses

To complete the STEM Education program and earn a master's degree, students must complete the appropriate course work as outlined above. All courses require a grade of B- or better and a 3.0 minimum GPA is required for graduation.

Planning

Students take 1-2 courses per semester. Core courses are offered one per semester on a rotating basis.

Active Status

Students must complete their programs within seven years, maintaining a GPA of 3.0. Students typically take four courses each calendar year. Failure to enroll over three contiguous semesters will result in a requirement to submit readmission materials.