UCCS **COLLEGE OF EDUCATION** // TEACHING AND LEARNING

TEACHING MATHEMATICS CERTIFICATE



Teaching Mathematics for ALL Learners

Sign up now for the next cohort. Earn a Teaching Mathematics Certificate in as little as two years!

PROGRAM OVERVIEW

This 24-credit graduate certificate provides the additional depth of mathematics content and pedagogical knowledge needed to make you a successful math teacher. Apply what you learn in certificate courses directly into your classroom the next day! Sharpen your own understanding of mathematics as you learn to engage students in meaningful mathematics in grades K-8.

- All courses are offered in a hybrid or remote format.
- UCCS institutional aid available for this program.
- This certificate fulfills the requirements of a Middle School Mathematics Added-Endorsement from the Colorado Department of Education.
- Certificate courses may count toward a Master of Arts Degree in Curriculum & Instruction at UCCS.

TOPICS INCLUDE

- Base-10 number systems and operations, rational numbers, proportional reasoning, geometric thinking, measurement concepts, algebraic thinking, and statistical competency
- Assessments & interventions for mathematics learners
- Standards- and evidence-based approaches for teaching mathematics
- Leadership in mathematics education

REQUIRED COURSES

CURR 5301 – Mathematical Connections & Concepts
CURR 5302 – Leadership & Mentoring in the Mathematics Classroom
CURR 5305 – Assessment & Technology in the Mathematics Classroom
CURR 5311 – Mathematics for Teaching: Numbers & Operations
CURR 5312 – Mathematics for Teaching: Algebraic Reasoning
CURR 5313 – Mathematics for Teaching: Rational Numbers & Proportional Reasoning
CURR 5314 – Mathematics for Teaching: Geometry & Measurement
CURR 5315 – Mathematics for Teaching: Data Analysis & Statistics

UCCS College of Education
UNIVERSITY OF COLORADO **COLORADO SPRINGS**

For Admissions info, contact education@uccs.edu.
For program details, contact Dr. Katie Anderson-Pence, coordinator, at kander19@uccs.edu
Visit uccs.edu/coe for more information.