

# MIDDLE SCHOOL (6-8) MATHEMATICS, POST- BACCALAUREATE CERTIFICATE

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This program leads to Colorado Teacher licensure in Middle School Mathematics. It is for individuals who have completed a bachelor's degree from a regionally-accredited institution. It can be completed in conjunction with our M.Ed. program.

## Goals

To prepare individuals for Colorado Teacher licensure in Middle School Mathematics.

## Specific Program Requirements

Students pursuing this certificate must meet all requirements of the Teacher Education Program.

Course	Title	Credits
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5.00
MATH 207	Matrix and Vector Algebra with Applications	3.00
MATH 224	Calculus and Analytic Geometry II	5.00
MATH 319	Number Theory	3.0
MATH 330	Introduction to Higher Geometry	3.00
MATH 360	Elementary Mathematics Concepts I	3.00
MATH 361	Elementary Mathematics Concepts II	3.00
MATH 362	Problem Solving for K-6 Teachers	3.0
MATH 463	History of Mathematics	3.00
ENG 101	Rhetoric & Writing I (GT-CO1)	3.0
ENG 102	Rhetoric & Writing II (GT-CO2)	3.0
CID 103	Speaking & Listening	3
MATH 156	Introduction to Statistics (GT-MA1)	3.00
PSYC 151 or PSYC 251	Human Development (GT-SS3) Childhood and Adolescence	3.00
ED 202	Foundations of Education	3.00
ED 520	Educational Media and Technology	3.00
ED 560	Professional Develop in Curriculum & Instruction	4.00
ED 512	Teaching Diverse Learners	3.0
MATH 577	Concepts in Secondary School Mathematics	4.00
RDG 535	Advanced Disciplinary Literacy	3.0
ED 485	Capstone Seminar in Education	1.00
ED 488	Student Teaching Secondary	12.00