

# SECONDARY MATHEMATICS, POST-BACCALAUREATE CERTIFICATE

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This program leads to Colorado Teacher licensure in Secondary 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.

## Student Learning Outcomes

1. To prepare individuals for Colorado Teacher licensure in Secondary 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
MATH 224	Calculus and Analytic Geometry II	5
MATH 307	Introduction to Linear Algebra	4
MATH 330	Introduction to Higher Geometry	3
MATH 319	Number Theory	3
or MATH 427	Abstract Algebra	
MATH 156	Introduction to Statistics (GT-MA1)	3
or MATH 350	Probability	
MATH 463	History of Mathematics	3
Computer Programming Course		4
One of the following Sequences:		10
CHEM 121/L and CHEM 122/L or		
PHYS 221/L and PHYS 222/L		
ENG 101	Rhetoric & Writing I (GT-CO1)	3
ENG 102	Rhetoric & Writing II (GT-CO2)	3
CID 103	Speaking & Listening	3
PSYC 151	Human Development (GT-SS3)	3
or PSYC 251	Childhood and Adolescence	
ED 202	Foundations of Education	3
ED 520	Educational Media and Technology	3
ED 560	Advanced Classroom Management	3
ED 512	Teaching Diverse Learners	3
MATH 577	Concepts in Secondary School Mathematics	4
RDG 535	Advanced Disciplinary Literacy	3
ED 485	Capstone Seminar in Education	1
ED 488	Student Teaching Secondary	12
<b>Total Credits</b>		<b>84</b>