# SECONDARY MATHEMATICS, POST-BACCALAUREATE CERTIFICATE

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.

## Goals

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 | Professional Develop in Curriculum & Instruction | 4 |
| 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 |
| **Total Credits** | | **85** |