

CSU – Pueblo Secondary Mathematics Teaching Endorsement Program – Advising Checklist

This program is designed for undergraduate students seeking a teaching license with a dual endorsement in mathematics and science, with science as the primary field. Substitution of equivalent courses (as determined by the Department of Mathematics and Physics in consultation with the Department of Teacher Education) from other institutions may be permitted.

(Requirements identified with an asterisk* must be satisfied with a grade of B or better.)

Degree Requirement

- ☐ Completion of BA or BS with an education emphasis in Chemistry, Physics or Physical Science
OR
- ☐ Completion of BA or BS with an education emphasis in Biology, with the following substitutions:
 - Math 126 and Math 224 in place of Math 221
 - Physics 221 in place of Physics 201

Mathematics Requirements for Science Licensure

(10 semester hours)

- ☐ MATH 126 Calculus and Analytic Geometry I* (5)
- ☐ MATH 224 Calculus and Analytic Geometry II* (5)

Additional Mathematics Requirements for Mathematics Licensure

(22 semester hours)

- ☐ MATH 207 Matrix and Vector Algebra with Applications (2)
- ☐ MATH 307 Introduction to Linear Algebra (4)
- ☐ MATH 330 Introduction to Higher Geometry (3)
- ☐ MATH 156 Introduction to Statistics* (3)
or
MATH 350 Probability (3)
- ☐ MATH 327 Abstract Algebra (4)
or
MATH 419 Number Theory (3)
- ☐ MATH 463 History of Mathematics (3)
- ☐ MATH 477 Techniques of Teaching Secondary Mathematics (4)

Other Additional Requirements for Mathematics Licensure

(3 credit hours)

- ☐ Programming course or demonstrated competency (3)

Please consult Major Advising Worksheets for Biology, Chemistry, Physics or Physical Science for details concerning Professional Education requirements, and for specific science course requirements.