

## CSU – Pueblo Secondary Mathematics Teaching Licensure Program (degree plus) – Advising Checklist

Completion of the program listed below satisfies the licensure requirement for teaching 7-12 mathematics in the state of Colorado. Substitution of equivalent courses (as determined by the Department of Mathematics and Physics) from other institutions may be permitted. Individuals who already hold a teaching license in another field should consult the Teacher Education program concerning the Professional Education requirements.

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

### Degree Requirement

- ☐ Must already hold a BA, BS or higher degree from an accredited institution

### Mathematics Requirements

(32 semester hours)

- ☐ MATH 126 Calculus and Analytic Geometry I\* (5)
- ☐ MATH 207 Matrix and Vector Algebra with Applications (2)
- ☐ MATH 224 Calculus and Analytic Geometry II\* (5)
- ☐ 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)

### Professional Education Requirements

(30 credit hours)

- ☐ ED 202 Foundations of Education (3)
- ☐ ED 320/520 Educational Media and Technology (3)
- ☐ ED 301/560 Frameworks of Teaching (3)
- ☐ ED 412/512 Teaching Diverse Learners (3)
- ☐ RDG 435/535 Content Area Literacy (4)
- ☐ ED 485 Capstone Seminar in Education (2)
- ☐ ED 488 Secondary Student Teaching (12)

### Other Requirements

(11 credit hours)

- ☐ PSYCH 151 Human Development (3)
- or
- PSYCH 251 Childhood and Adolescence (3)
- or
- PSYCH 342 Educational Psychology (3)
- ☐ PHYS 221 + 221 L General Physics + Lab (5)
- ☐ Programming course or demonstrated competency (3)

Total credit hours 73