Candidates also complete a secondary education professional program. Grade required for endorsement courses: C (2.0) or better. Course substitutions must be clearly noted below.

### Physics (40 Credits)
- PHYS 161 - Physics with Calculus I (5)
- PHYS 162 - Physics with Calculus II (5)
- PHYS 163 - Physics with Calculus III (5)
- PHYS 220 - Physics with Calculus IV (4)
- PHYS 224 - Modern Physics I (3)
- PHYS 225 - Modern Physics II (3)
- PHYS 322 - Fundamentals of Electronics (4)
- PHYS 363 - Classical Mechanics (4)
- PHYS 491 - Investigative Research (1-3)
- MATH 240 – Introduction to Statistics (4)
- SCED 370 - Science and Society (5)
- SCED 481 - Fundamentals of Teaching Science (2)
- SCED 491 - Methods in Secondary Education for Science Teachers (5)
- NES Physics Test Code 308
  (Math through prerequisites: Algebra, Calculus, Linear Algebra, Differential Equations)

### Add Science (Optional, 41-42 Credits) *
- One course from:
  - ASTR 103 - Introduction to Astronomy (4)
  - ASTR 113 - Sun, Moon, and Planets (3)
  - BIOL 204 - Introduction to Evolution, Ecology and Biodiversity (5)
  - BIOL 205 - Introduction to Cellular and Molecular Biology (5)
  - BIOL 206 - Introduction to Organismal Biology (5)
  - CHEM 121 - General Chemistry I (5)
  - CHEM 122 - General Chemistry II (5)
  - CHEM 123 - General Chemistry III (5)
  - GEOL 211 - Physical Geology (5)
  - GEOL 212 - Historical Geology (4)
  - NES Science Test Code 311

* May be added via testing after certification via [Pathway 1](#)

Outstanding Courses:

---

Endorsement Advisor Signature / Date

July 2017