Name: ___________________________  Student ID Number: ___________________________

Candidates complete a secondary education professional program. Endorsement courses require a grade of C (2.0) or better for individual courses. Course substitutions must be clearly noted below.

### Physics and Mathematics (104 Credits)

- ASTR 315 - The Solar System (3)
- Choose either:
  - MATH 124 - Calculus and Analytic Geometry I (5) and MATH 125 - Calculus and Analytic Geometry II (5)
  - OR
  - MATH 134 - Calculus I Honors (5) and MATH 135 - Calculus II Honors (5)
  - OR
  - MATH 138 - Accelerated Calculus (5)
- Choose either:
  - MATH 204 - Elementary Linear Algebra (4) and MATH 331 - Ordinary Differential Equations (4)
  - OR
  - MATH 203 - Linear Algebra and Differential Equations I (4) and MATH 303 - Linear Algebra and Differential Equations II (4)
- MATH 224 - Multivariable Calculus and Geometry I (5)
- MATH 309 - Introduction to Proof in Discrete Mathematics (4)
- MATH 360 - Euclidean and Non-Euclidean Geometry (4)
- MATH 419 - Historical Perspectives of Mathematics (3)
- MATH 483 - Methods of Teaching Secondary Mathematics (4)

- At least two of the following:
  - MATH 307 - Mathematical Computing (4)
  - MATH 341 - Probability and Statistical Inference (4)
  - MATH 410 - Mathematical Modeling (4)
- 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 (5)
- PHYS 224 - Modern Physics I (3)
- PHYS 225 - Modern Physics II (3)
- PHYS 322 - Fundamentals of Electronics (4)
- PHYS 326 - Tools and Data Analysis (3)
- PHYS 363 - Classical Mechanics (4)
- PHYS 391 - Junior Lab (3)
- SCED 370 - Science and Society (5)
- SCED 481 - Fundamentals of Teaching Science (2)
- SCED 491 - Methods in Secondary Education for Science Teachers (5)
- 6 additional credits of upper-division physics or astronomy courses
- NES Physics Test Code 308
- NES Mathematics Test Code 304

### Outstanding Courses:

Outstanding Courses:

Endorsement Advisor Signature / Date

July 2017