Woodring College of Education
Endorsement Evaluation

Biology with Option to Add Science

Name:  
Student ID Number:  

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.

### Biology (78 - 80 Credits)
- BIOL 204 - Intro to Evolution, Ecology and Biodiversity (5)
- BIOL 205 - Intro to Cellular and Molecular Biology (5)
- BIOL 206 - Intro to Organismal Biology (5)
- BIOL 321 – Genetics (4)
- BIOL 323 - Cell and Molecular Biology (4)

#### One course from:
- BIOL 322 - Genetics Lab (4)
- BIOL 324 - Methods in Molecular Biology (3)
- BIOL 325 – Ecology (4)
- BIOL 326 - Ecology Laboratory (3)
- BIOL 432 - Evolutionary Biology (4)
- BIOL 460 - Invertebrate Zoology w/Lab (5) or approved substitute
- BIOL 452 - Systematic Botany (5) or approved substitute
- CHEM 121 - General Chemistry I (5)
- CHEM 122 - General Chemistry II (5)
- CHEM 123 - General Chemistry III (4)
- CHEM 251 – Organic Chemistry (5)

#### One course from:
- BIOL 340 – Biometrics (5)
- MATH 240 - Intro to Statistics (4)
- SCED 370 - Science and Society (3) or equivalent
- SCED 481 - Fundamentals of Teaching Science (2)
- SCED 491 - Methods in Secondary Education for Science Teachers (5)
- NES Biology Test Code 305  
  (Math through prerequisites: Algebra)

### Add Science (Optional, 27-28 Credits)*

#### One course from:
- ASTR 103 - Intro to Astronomy (4)
- ASTR 113 - Sun, Moon, and Planets (3)
- GEOL 211 - Physical Geology (5)
- GEOL 212 - Historical Geology (4)

#### Choose one of the following series:
- PHYS 114 - Principles of Physics I (5)
- PHYS 115 - Principles of Physics II (5)
- PHYS 116 - Principles of Physics III (5)
  or
- PHYS 161 - Physics with Calculus I (5)
- PHYS 162 - Physics with Calculus II (5)
- PHYS 163 - Physics with Calculus III (5)
- NES Science Test Code 311  
  (Math through prerequisites: Precalculus or Calculus)

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

Outstanding Courses:

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Endorsement Advisor Signature / Date

July 2017