Woodring College of Education
Endorsement Evaluation

Chemistry 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.

Chemistry (64 Credits)

- CHEM 161 - General Chemistry I (5)
- CHEM 162 - General Chemistry II (5)
- CHEM 163 - General Chemistry III (4)
- CHEM 333 - Analytical Chemistry (5)
- CHEM 351 - Organic Chemistry (4)
- CHEM 352 - Organic Chemistry (4)
- CHEM 353 - Organic Chemistry (3)
- CHEM 354 - Organic Chemistry Laboratory I (3)
- CHEM 375 - Elements of Biochemistry (4)
- CHEM 471 - Biochemistry I (4)
- CHEM 461 - Physical Chemistry (4)
- One course from:
  o PHYS 161 - Physics with Calculus I (5)
  o PHYS 162 - Physics with Calculus II (5)
  o PHYS 163 - Physics with Calculus III (5)

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 Chemistry Test Code 306
(Math through prerequisites: Algebra, Calculus, Multivariable Calculus)

Add Science (Optional, 26-27 Credits)*

- One course from:
  o ASTR 103 - Introduction to Astronomy (4)
  o 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)
- 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
August 2019