## THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE FACULTY SENATE

 Senate Document Number
 5216S

 Date of Senate Approval
 2/11/16

 Statement of Faculty Senate Action:

## APC Document 42: Change the Chemistry requirement for Environmental Studies and update the Earth Science Licensure requirements

## **Effective Date: Fall 2016**

## **1. Delete:** On page 141, under **Environmental Studies majors must fulfill the following** requirements, item II:

- II. Required courses outside the major—13–16 hours: CHEM 132 or satisfactory score on the Chemistry Placement Examination; CHEM 111, 145 and 236; two courses from MATH 167, 191, 192 or STAT 185. Calculus is recommended for students planning to attend graduate school.
- Add: On page 141, in place of deleted entry:
  - II. Required courses outside the major—16 hours: CHEM 111, 132, 145 and either 231 or 233; two courses from MATH 167, 191, 192 or STAT 185. CHEM 233 is required for students completing the Earth Science concentration. Calculus is recommended for students planning to attend graduate school.
- 2. Delete: On page 142, in the entry for Earth Science with 9-12 Teacher Licensure, items II and III:
  - II. Required courses in Earth Science Core—26 hours: ENVR 105, 106, 320, 338, 385; ASTR 105 and ATMS 103.
  - III. Required courses outside the major—16–19 hours: CHEM 132 or satisfactory score on Chemistry Placement Examination; CHEM 111, 145 and 236; MATH 167 or 191; PSYC 100; STAT 185 and additional requirements indicated in the Education section of the catalog.
  - Add: On page 142, in place of deleted entry:
    - II. Required courses in Earth Science Core—25 hours: ENVR 105, 106, 320, 338, 385; ASTR 101 and ATMS 103.
    - III. Required courses outside the major—19 hours: CHEM 111, 132, 145, 233; MATH 167 or 191; PSYC 319; STAT 185 and additional requirements indicated in the Education section of the catalog.

**Impact Statement:** There will be no impact on the resources and staffing of the Environmental Studies department due to these changes. The addition of CHEM 231 as an option will result in more ENVR students enrolled in this course (see Chemistry Department concurrence). However, fewer students will enroll in CHEM 233 (the "new" General Chemistry II) than were previously enrolled in CHEM 236 (the

"old" General Chemistry II) so the total number of ENVR students enrolled in Chemistry courses will not change.

**Rationale:** The change from CHEM 236 to CHEM 233 is to align with the new curriculum proposed by the Chemistry Department. The addition of CHEM 231 provides additional options for ENVR students. A review of the teaching licensure requirements was necessitated by changes in the chemistry and astronomy curricula (reflected in proposed changes of CHEM 233 for CHEM 236 and ASTR 101 for 105). PSYC 319 has replaced PSYC 100 as the required psychology course for licensure students. The proposed changes address each of these issues.