

THE UNIVERSITY OF NORTH CAROLINA ASHEVILLE
FACULTY SENATE

Senate Document Number SD1622S
Date of Senate Approval 2/03/2022

Statement of Faculty Senate Action:

APC Document 12 (CHEM):

Change prerequisites for CHEM 419

Effective Date: Fall 2022

1. **Delete:** On page 101, the entry for **CHEM 419:**

419 Nanochemistry (3)

A course that focuses on the study of the most common types of nanomaterials with the emphases on synthesis, chemical modification, and characterization of their structures in the nanometer scale. The concepts include surface, size, shape, self-assembly, defects, and real world applications. An examination and analysis of the current literature will be expected. Prerequisites: CHEM 233. Fall.

Add: On page 101, in place of deleted entry:

419 Nanochemistry (3)

A course that focuses on the study of the most common types of nanomaterials with the emphases on synthesis, chemical modification, and characterization of their structures in the nanometer scale. The concepts include surface, size, shape, self-assembly, defects, and real world applications. An examination and analysis of the current literature will be expected. Prerequisites: CHEM 223, 233. Fall.

Impact: This change is to add a second prerequisite (CHEM 223, Foundations of Analytical Chemistry) to CHEM 419. There will be no impact on resource or faculty needs or expected enrollment. Note that CHEM 223 is most commonly enrolled in sophomore year for a chemistry major or minor, and that CHEM 419 is most commonly enrolled in the junior or senior years for a chemistry major or minor. Because CHEM 223 is a required course for Chemistry majors and minors, adding it as a prerequisite will not impact a student's ability to take CHEM 419.

Rationale: The course content of CHEM 419 builds upon the content and concepts of both Foundations of Inorganic Chemistry (CHEM 233) and Foundations of Analytical Chemistry (CHEM 223). Adding the CHEM 223 prerequisite will ensure that students have the required foundational course knowledge before enrolling in CHEM 419 and align the catalog prerequisites with course expectations.