

THE UNIVERSITY OF NORTH CAROLINA ASHEVILLE
FACULTY SENATE

Senate Document Number SD1123F
Date of Senate Approval 12/07/2023

Statement of Faculty Senate Action:

APC Document 7 (MATH): **Revise the ECON elective requirement in the
Concentration in Pure Mathematics (MATH)**

Effective Date: Fall 2024

1. Delete: On page 239, Section II under **Concentration in Pure (Theoretical) Mathematics:**

II. Required courses outside the major—7–11 hours, consisting of CSCI 182 or 183, and one of the following groups of courses: CHEM 111, 132, 145 and 236; or ECON 103; or PHYS 221 and 222; or at least 6 credit hours of courses at the 300-level or above, approved by the department chair, from disciplines in which mathematics plays a significant role.

Add: On page 239, in place of deleted entry:

II. Required courses outside the major—9–11 hours, consisting of CSCI 182 or 183, and one of the following groups of courses: CHEM 111, 132, 145 and 236; or ECON 103 and four additional credits in ECON at the 200-level or higher; or PHYS 221 and 222; or at least 6 credit hours of courses at the 300-level or above, approved by the department chair, from disciplines in which mathematics plays a significant role.

Impact: The proposed changes will have minimal impact on students. One additional course is required for the ECON option, but this is consistent with the other groups of courses in chemistry and physics.

Rationale: Mathematics plays a significant role in chemistry, economics, and physics. The required courses outside the major are an opportunity to introduce students to these fields. Before Fall 2020, the ECON option required both ECON 101 and ECON 102, but these two introductory three-credit courses were replaced with a single four-credit course, ECON 103 (see Senate Document Number [4620S](#)). This document proposes to require an additional ECON course to add depth beyond the introductory course and to be more consistent with the required hours for the chemistry and physics options.