To: College of Arts & Sciences Curriculum Committee

From: Dr. Jim Phillips, Chair, Department of Chemistry

Re: Program Change (100-009)

Colleagues;

On October 23, 2019, the faculty in the Department of Chemistry unanimously approved the changes noted below to the Chemistry, ACS, Biochemistry Emphasis major (100-009). We request implementation of the following program change with the next possible Catalog.

Program: Chemistry, A.C.S., Biochemistry Emphasis, Comprehensive Major (100-009)

Approval Date: 10/23/2019

Current Catalog web page: https://catalog.uwec.edu/undergraduate/arts-sciences/chemistry/chemistry-acs-comprehensive-major-biochemistry-ba-bs/

1) Add BIOL 221 and BIOL 223 to the list of required courses (i.e., following “Requirements: In addition to the chemistry core and ....”)

Why? The Department recently approved a minor revision for CHEM 452 (a required course in the Chemistry, ACS, Biochemistry Emphasis Comprehensive Major) to include BIOL 221 and BIOL 223 as prerequisites. The impetus for this revision is to recognize the importance of a basic level of biological knowledge, as provided in these courses, to students pursuing advanced coursework in biochemistry. Explicitly listing these BIOL courses as major requirements for 100-009 ensures that students and advisors are cognizant of the need to complete these courses before attempting to register for CHEM 452. In addition, including these Biology courses to the requirements will facilitate students' attainment of the "distinguishing outcome" as stated for this program in our recently-updated Assessment Plan: “Students in the Chemistry, ACS - Biochemistry Emphasis will develop a deeper comprehension of how chemical principles underlie biological functions.”

2) Remove the elective course requirements in their entirety (i.e. following “Elective(s):”, and the associated 3-credit minimum pertaining to this item.

Why? The addition of the BIOL courses adds six credits to the major, and eliminating the electives partially offsets this addition.

3) Change the total credit count to 64 (from 61 previous).

Why? This reflects the new credit total, with the inclusion of the BIOL courses and removal of electives as noted above.

Thank you kindly for your time and consideration.