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FORMAT 5

SUBMITTED BY:

Department	Chemistry and Biochemistry	College/School	CNSM
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See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules governing curriculum & course changes.

PROGRAM IDENTIFICATION:

DEGREE PROGRAM	Environmental Chemistry
Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)	BS

A. CHANGE IN DEGREE REQUIREMENTS: (Brief statement of program/degree changes and objectives)

We have been changing the way laboratory sections in physical and analytical chemistry are taught, generally integrating the laboratory into an appropriate lecture class so as to have lecture and lab reinforce each other. However, we also maintain senior-level writing-intensive "capstone" experiences for majors. These changes have been submitted for the last three years in a graded fashion so that most students have graduated under the old system or will now be under the new system. The current change is planned to be the last change. As a part of those changes, we added two credits of lab to the junior-level Physical Chemistry sequence (CHEM F331 and CHEM F332). Thus, we wanted to reduce credits somewhere so that we would not overload students. In looking over our course offerings and also due to a recent re-accreditation by the American Chemical Society (our external specialized accreditation), we realized that we didn't need to offer as much analytical chemistry as we had been doing. Thus we are proposing to eliminate CHEM F312 from the requirements. Students are still exposed to a large amount of analytical chemistry.

We are also changing the way parts I and II of two semester course sequences are listed to be consistent and adding two possible elective courses.

B. CURRENT REQUIREMENTS AS IT APPEARS IN THE CATALOG:

Environmental Chemistry

1. Complete the general university requirements. (As part of the core curriculum requirements, complete: MATH F200X;

GEOS F101X--The Dynamic Earth--4 credits
GEOS F125X--Humans, Earth, and the Environment--4 credits
ATM F101X--Weather and Climate of Alaska--4 credits

Environmental Chemistry

1. Complete the general university requirements. (As part of the core curriculum requirements, complete: MATH F200X; PHYS F103X and PHYS F104X, or PHYS F211X and PHYS F212X.)

2. Complete the following requirements: (As part of the D.S. degree, complete: MATH F201X, Chemistry foundation

D. ESTIMATED IMPACT

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

Very little impact. Although we are eliminating a required course, most of its materials are integrated into other courses. Because of the increased work in those other courses, we don't expect either a decrease in student learning nor a decrease in faculty workload.

E. IMPACTS ON PROGRAMS/DEPTS:

What programs/departments will be affected by this proposed action?
Include information on the Programs/Departments impacted (if any).

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E. IMPACTS ON PROGRAMS/DEPTS:

*What programs/departments will be affected by this proposed action?
Include information on the Programs/Departments contacted (e.g., email, memo)*

The programs inside the Department of Chemistry and Biochemistry are affected by this action. To our knowledge no other majors required this upper-division chemistry course. The content in the course is

ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

Date

Signature, Chair, UAF Faculty Senate Curriculum Review Committee