Submit originals and one copy and electronic copy to Governance/Faculty Senate Office (email electronic copy to fysenate@uaf.edu)

PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)

SUBMITTED BY:

<table>
<thead>
<tr>
<th>Department</th>
<th>College/School</th>
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<tbody>
<tr>
<td>Chemistry &amp; Biochemistry</td>
<td>CNSM</td>
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<table>
<thead>
<tr>
<th>Prepared by</th>
<th>Faculty Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Keller</td>
<td><a href="mailto:ffjwk@uaf.edu">ffjwk@uaf.edu</a></td>
</tr>
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<tr>
<th>Phone</th>
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<tbody>
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<td>474-6042</td>
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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:

<table>
<thead>
<tr>
<th>DEGREE PROGRAM</th>
<th>Chemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree Level: (i.e., Certificate, A.A., A.A.S., B.A., B.S., M.A., M.S., Ph.D.)</td>
<td>B.A.</td>
</tr>
</tbody>
</table>

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

Approved changes last were: Change Chem 212 to a 4-cr lec+lab format, and schedule the removal of Chem 313 after 2009-2010. Changes applied for this year are increasing credits of Chem 331 and 322 (Physical Chemistry) from 3 cr to 4 cr.

B. CURRENT REQUIREMENTS AS IT APPEARS IN THE CATALOG:

Major — B.A. Degree

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 B.A. degree requirements. (As part of the B.A. degree requirements, complete: MATH F201X.)


4. Complete the following: MATH F202X—Calculus—4 credits

5. Minimum credits required—130 credits

* Student must earn a C grade or better in each course.
C. PROPOSED REQUIREMENTS AS IT WILL APPEAR IN THE CATALOG WITH THESE CHANGES:
(Underline new wording strike-through-old-wording and use complete catalog format )

**Major — B.A. Degree**

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 B.A. degree requirements. (As part of the B.A. degree requirements, complete: MATH F201X.)

3. Complete the following program (major) requirements:*  
   - CHEM F105X—General Chemistry—4 credits  
   - CHEM F106X—General Chemistry—4 credits  
   - CHEM F202—Basic Inorganic Chemistry—3 credits  
   - CHEM F212—Chemical Equilibrium and Analysis—3 4 credits  
   - CHEM F313—Chemical Analysis of Dynamic Systems—2 credits  
   - CHEM F321—Organic Chemistry—3 credits  
   - CHEM F322—Organic Chemistry—3 credits  
   - CHEM F324W—Organic Laboratory—4 credits  
   - CHEM F331—Physical Chemistry—3 4 credits  
   - CHEM F332—Physical Chemistry—3 4 credits  
   - CHEM F412—Instrumental Analytical Methods—3 credits  
   - CHEM F413W—Analytical Instrumental Laboratory—3 credits  
   - CHEM F434W—Instrumental Methods in Physical Chemistry—3 credits  
   - CHEM F481—Seminar—1 credit  
   - CHEM F482O—Seminar—2 credits

4. Complete the following:  
   - MATH F202X—Calculus—4 credits

5. Minimum credits required—130 credits  

* Student must earn a C grade or better in each course.

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D. **ESTIMATED IMPACT**

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

| None |

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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)

Slight change in credit amounts will not affect other programs – the general topics covered remain essentially the same. No other departments have been consulted on these small changes.
F. IF MAJOR CHANGE – ASSESSMENT OF THE PROGRAM:

Description of the student learning outcomes assessment process.

No assessment is planned.

JUSTIFICATION FOR ACTION REQUESTED

The purpose of the department and campus-wide curriculum committees is to scrutinize program/degree change applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. If you drop a course, is it because the material is covered elsewhere? Use as much space as needed to fully justify the proposed change and explain what has been done to ensure that the quality of the program is not compromised as a result.

This change in the program description in the catalog will reflect as accurately as possible the course offerings available to incoming student in the Fall 2009 semester. Chem 313 is removed from the list of course requirements, which has been approved by Faculty Senate. However, it will remain in the course descriptions for one more year.

The net change for the B.A. in chemistry program is +1 credit. The overall reorganization of analytical and physical chemistry courses will benefit students as already outlined in the respective course change forms. This form just summarizes the overall credit situation for the B.A. program.

APPROVALS:

[Signatures and dates]

Signature, Chair, Program/Department of: [Signature]  Date: 10/16/08

Signature, Chair, College/School Curricular Council for: [Signature] Date: 10/16/08

Signature, Dean, College/School of: [Signature] Date: 10/17/08

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

[Signature, Chair, UAF Faculty Senate Curriculum Review Committee]