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

PROGRAM/DEGREE REQUIREMENT CHANGE (MAJOR/MINOR)

SUBMITTED BY:

<table>
<thead>
<tr>
<th>Department</th>
<th>Chemistry and Biochemistry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepared by</td>
<td>William Simpson</td>
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<td>Email Contact</td>
<td>wrs <a href="mailto:Simpson@alaska.edu">Simpson@alaska.edu</a></td>
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<tr>
<td>College/School</td>
<td>CNSM</td>
</tr>
<tr>
<td>Phone</td>
<td>907 474 7235</td>
</tr>
<tr>
<td>Faculty Contact</td>
<td>William Simpson</td>
</tr>
</tbody>
</table>

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>Minors in Chemistry / Biochemistry</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>
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</tbody>
</table>

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

This is a minor change to alter the way parts I and II of two semester course sequences are listed in the catalog

B. CURRENT REQUIREMENTS AS IT APPEARS IN THE CATALOG:

**Minor**
- Chemistry
  1. Complete the following:
     - CHEM F105X—General Chemistry—4 credits
     - CHEM F106X—General Chemistry—4 credits
  2. Complete the following approved electives:
     - CHEM F212—Chemical Equilibrium and Analysis*—4 credits
     - CHEM F321 & CHEM F322—Organic Chemistry—6 credits
     - CHEM F331 & CHEM F332—Physical Chemistry—8 credits
  3. Complete one of the following additional chemistry lab courses:
     - CHEM F202—Basic Inorganic Chemistry—3 credits
     - CHEM F324W—Organic Chemistry Lab—4 credits
  4. Minimum credits required—29 – 30 credits

**Biochemistry**
- 1. Complete the following foundation courses:
   - CHEM F105X—General Chemistry—4 credits
   - CHEM F106X—General Chemistry—4 credits
- 2. Complete the following:
   - CHEM F321—Organic Chemistry—3 credits
   - CHEM F322—Organic Chemistry—3 credits
   - CHEM F331—Physical Chemistry—4 credits
   - CHEM F451—General Biochemistry—Metabolism—3 credits
- 3. Complete two of the following chemistry lab courses:
   - CHEM F202—Basic Inorganic Chemistry—3 credits
   - CHEM F212—Chemical Equilibrium and Analysis—4 credits
   - CHEM F324—Organic Chemistry Lab—4 credits
- 4. Minimum credits required—28 – 29 credits

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 )

Received

MAY 7 2010

Dean's Office
College of Natural Science & Mathematics
Minor

Chemistry

1. Complete the following:
   CHEM F105X — General Chemistry I — 4 credits
   CHEM F106X — General Chemistry II — 4 credits
2. Complete the following approved electives:
   CHEM F212 — Chemical Equilibrium and Analysis* — 4 credits
   CHEM F321 & CHEM F322 — Organic Chemistry — 6 credits
   CHEM F321 — Organic Chemistry I — 3 credits
   CHEM F322 — Organic Chemistry II — 3 credits
   CHEM F331 — Physical Chemistry I — 4 credits
   CHEM F332 — Physical Chemistry II — 4 credits
   CHEM F331 & CHEM F332 — Physical Chemistry — 8 credits
3. Complete one of the following additional chemistry lab courses:
   CHEM F202 — Basic Inorganic Chemistry — 3 credits
   CHEM F324W — Organic Chemistry Lab — 4 credits
4. Minimum credits required — 29 — 30 credits

Biochemistry

1. Complete the following foundation courses:
   CHEM F105X — General Chemistry I — 4 credits
   CHEM F106X — General Chemistry II — 4 credits
2. Complete the following:
   CHEM F321 — Organic Chemistry I — 3 credits
   CHEM F322 — Organic Chemistry II — 3 credits
   CHEM F331 — Physical Chemistry I — 4 credits
   CHEM F451 — General Biochemistry — Metabolism — 3 credits
3. Complete two of the following chemistry lab courses:
   CHEM F202 — Basic Inorganic Chemistry — 3 credits
   CHEM F212 — Chemical Equilibrium and Analysis — 4 credits
   CHEM F324 — Organic Chemistry Lab — 4 credits
4. Minimum credits required — 28 — 29 credits

D. ESTIMATED IMPACT

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

none
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)

none

F. IF MAJOR CHANGE - ASSESSMENT OF THE PROGRAM:

Description of the student learning outcomes assessment process.

none.

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.

N/A

APPROVALS:

Signature, Chair, Program/Department of: __________________________
Date: 4-29-10

Signature, Chair, College/School Curriculum Council for: CNSM
Date: 5/12/10

Signature, Dean, College/School of: CNSM
Date: 5/13/10

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

Signature, Chair, UAF Faculty Senate Curriculum Review Committee