FORM H -- OTHER CATALOG CHANGES AND/OR ADDITIONS

DEPT/SCHOOL: ___Chemistry and Biochemistry_____________
COLLEGE: _CHAS________________

FORM H-A: CHANGES WHICH ARE CURRICULAR IN NATURE

Included in this section are: program enrollment management policies, admission requirements, exit requirements, minimum grade/grade point policies, and similar types of curriculum change.

1. Nature of Proposal: _x_ restatement, or ___ new statement
   _x_ Enrollment management policy
   _x_ Admission and/or exit requirements
   _x_ Minimum grade/grade point policy
   _x_ Other (specify) __Change to concurrent double degree policy______________

2. Proposed statement or restatement as it is to appear in the Catalog (changes should appear in **bold** type).

Current wording (statements in italics to be eliminated)

J. Two Concurrent Degrees
A student may pursue two different baccalaureate degrees concurrently. To earn two different degrees concurrently (e.g., B.A. and B.S, B.A. and B.Music), a student must meet all the requirements for both degrees, including at least 36 weeks in residence and earning not less than 32 hours of credit beyond the hours required for the degree the student chooses to declare as the first degree. For example:

*The Bachelor of Liberal Arts degree requires minimum of 120 hours and the Bachelor of Science degree requires 126 hours minimum to graduate.*

*If declared first degree Bachelor of Liberal Arts/second degree Bachelor of Science, requires minimum 152 hours to graduate with these concurrent degrees (120 hours + 32 hours).*

*If declared first degree Bachelor of Science/second degree Bachelor of Liberal Arts, requires minimum 158 hours to graduate with these concurrent degrees (126 hours + 32 hours).*

The University does not grant two of the same degrees concurrently, including the Bachelor of Arts degree – Liberal Arts and the Bachelor of Arts degree – Teaching program.

A student may have a double major, one in Teaching and one in Liberal Arts, but the Teaching major must be declared as the first major and the B.A. Teaching degree will be the degree conferred, since the teaching degree has the higher grade index requirement.

Revised wording (statements in bold to be added):

J. Two Concurrent Degrees
A student may pursue two different baccalaureate degrees concurrently. To earn two different degrees concurrently (e.g., B.A. and B.S, B.A. and B.Music), a student must meet all the requirements for both degrees, including at least 36 weeks in residence **and all Liberal Arts Core requirements for both degrees.**
A student may earn a B.A. Teaching degree and a B.S. degree concurrently from a single department (e.g., B.A. – Chemistry Teaching and B.S. Chemistry). However, the University does not grant two of the same degrees concurrently, including the Bachelor of Arts degree – Liberal Arts and the Bachelor of Arts degree – Teaching program (e.g. B.A. – Chemistry Teaching and B.A. Chemistry).

A student may have a double major, one in Teaching and one in Liberal Arts, but the Teaching major must be declared as the first major and the B.A. Teaching degree will be the degree conferred, since the teaching degree has the higher grade index requirement.

3. Explain how the policy will be implemented and controlled.

   The policy will be implemented with changes to the academic catalog, and it will be controlled by the Office of the Registrar.

4. Estimate the impact of this change on departmental enrollment in courses and programs.

   This University-side change should increase opportunities for students to undertake two different degrees concurrently.

5. Estimate the impact of this change on other departments or university services.

   Departments may see small increases in numbers of declared majors, but no other impact is anticipated.


   Please see attached rationale.
7. Consultation summary: check [✔] appropriate response(s).
[Must consult with all those identified in #6 above]. **NOTE:** For any proposed change that would have an impact on teacher education, the Council on Teacher Education must be consulted (use form J-T Ed.). Any proposed change that has an impact on the Liberal Arts Core must be reviewed by the LACC (use Form J).

For Department and LACC (Form J) consultations:

<table>
<thead>
<tr>
<th>Departments Contacted For Consultation</th>
<th>No Impact</th>
<th>Has Impact - No Objections</th>
<th>Has Impact - Has Objections</th>
<th>Requests Further Consultation</th>
<th>Resolution Not Possible</th>
<th>No Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Click here to enter text.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Click here to enter text.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Click here to enter text.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Click here to enter text.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Click here to enter text.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Click here to enter text.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For Library (Form J-L) Consultations:

__ No further consultation needed
__ No further immediate consultation needed
__ Further Consultation needed.

**FORM H-A: CHANGES WHICH ARE CURRICULAR IN NATURE**, continued

For Teacher Ed. (Form J-T Ed.) Consultations:

__ No further consultation needed
__ Further consultation needed with Office of Teacher Ed.
__ Further consultation needed with Elementary and/or Secondary Teacher Education Senate(s)
__ After further consultation, it appears there can be no resolution of this concern at this time

8. Will this proposal increase the total budgetary requirements of the Department?
   _x_ No
   __ Yes

   a. If NO, explain why not.
   No change to course offerings or course rotations is anticipated.

   b. If YES, identify the total costs.
   (1) Staff $ _________
   (2) Additional facilities $ _________
<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3) Equipment</td>
<td>$_____</td>
</tr>
<tr>
<td>(4) Support personnel</td>
<td>$_____</td>
</tr>
<tr>
<td>(5) Library requirements</td>
<td>$_____</td>
</tr>
<tr>
<td>(6) Computer service</td>
<td>$_____</td>
</tr>
<tr>
<td>(7) Educational technology</td>
<td>$_____</td>
</tr>
<tr>
<td>(8) Other services (identify)</td>
<td>$_____</td>
</tr>
</tbody>
</table>

**TOTAL COSTS** $_____
Attachment to Form H-A, Proposal to Eliminate Additional Hour Requirement for Double Degree, Spring 2016

The 2014-2016 UNI Academic Catalog’s Undergraduate Information and Degree Requirements section, Requirements for Graduation subsection items I and J, identifies two distinct combinations of subject concentrations:

(1) A double major. Two concentrations, both leading to the same degree: “The university does not grant two of the same degrees concurrently, including the Bachelor of Arts degree – Liberal Arts and the Bachelor of Arts degree – Teaching program. A student may have a double major [emphasis added], one in Teaching and one in the Liberal Arts, but the Teaching major must be declared as the first major and the B.A. Teaching degree will be the degree conferred, since the teaching degree has the higher grade index requirement.” While it is not specified, a double major may also be earned by completing the requirements for the same degree in two non-teaching fields, for example a B.A. in Accounting and a B.A. in Mathematics, or a B.S. in Geology and a B.S. in Physics.

(2) A double degree. Two concentrations but leading to two different degrees, such as a B.S. in Chemistry and a B.A. in Biology: Biomedical Emphasis: “A student may pursue two different baccalaureate degrees concurrently. To receive two different baccalaureate degrees concurrently, (i.e., B.A./B.S., B.A./B.Music), a student must meet all the requirements for both degrees, including at least 36 weeks in residence and earning not less than 32 hours of credit beyond the hours required for the degree the student chooses to declare as the first degree. For example: The Bachelor of Liberal Arts degree requires minimum of 120 hours and the Bachelor of Science requires minimum 126 hours to graduate. If declared first degree Bachelor of Liberal Arts/second degree Bachelor of Science, requires minimum 152 hours to graduate with these concurrent degrees (120 hours + 32 hours). If declared first degree Bachelor of Science/second degree Bachelor of Liberal Arts, requires minimum 158 hours to graduate with these concurrent degrees (126 hours + 32 hours).”

The requirement for 32 additional hours has significant repercussions. For students, it is a significant barrier to the declaration of double-degree curricula. Many students working toward double concentrations, with intentions of earning double degrees, consider changing their programs of study upon learning of the extra hour requirement. While the evidence is anecdotal rather than systematic, the majority of these students shift from B.S/B.A. double degrees to B.A./B.A. double majors. For departments, the change away from a double degree shrinks the numbers of students graduating with B.S. majors, putting those programs at risk in the current climate that views as expendable those majors that graduate only small numbers of students. It also weakens enrollments in classes required for B.S. majors, forcing adjustments in the rotations on which those courses are offered and therefore limiting course availability and flexibility for students.

The rationale for the 32 additional hour requirement is not specified in the catalog, nor is it readily available in curricular documents dating back at least thirty years. It is likely an echo of the same requirement imposed on students seeking a second baccalaureate degree at UNI after
having earned a first degree at UNI or elsewhere: “A student may pursue a second baccalaureate degree after a first baccalaureate degree has been conferred. To receive a second baccalaureate degree after first baccalaureate degree has been conferred, a student must meet all the requirements for the second degree, including at least 36 weeks in residence and earning not less than 32 hours of credit. For example: Student has 20 specified hours of coursework to meet the requirements for the second baccalaureate degree. Student will need to earn an additional 12 hours to meet the minimum 32 hours of credit required for a second baccalaureate degree.”

These conditions appear to ensure that students cannot earn a second degree without spending at least two semesters in residence at UNI – a reasonable requirement for a student with a degree from another university or college, but an extra burden for UNI graduates and currently-enrolled UNI students.

Under current practice, it is easier for a student to complete a B.S. double major (126 hours required) than to complete a B.S./B.A. double degree (158 hours if the B.S. degree is the first major). Given that a B.S. major is always more rigorous than a B.A. major in the same discipline, this difference in required hours is reversed from what might be expected.

Moreover, the additional 32 hours needed for a second degree may be earned almost entirely outside of the requirements for that second degree. For example, a UNI student working toward a B.S. in Biochemistry would have to earn 126 hours – 74 in Biology, Chemistry, Mathematics, and Physics; 35 in the Liberal Arts Core (beyond the 10 hours already satisfied by courses required for the major); and 17 elective hours. That same student could then complete the requirements for a B.A. in Biology:Biomedical Emphasis with 15 additional hours in Biology – all of which could have been counted toward the 17 elective hours for the B.S. in Biochemistry. All of the 32 additional hours would therefore be earned outside of the requirements for either of the two degrees.

UNI’s current practice resembles that at Iowa State University. Their academic catalog notes that “a student may receive two bachelor’s degrees if he or she meets the requirements of each curriculum and earns at least 30 credits beyond the requirements of the curriculum requiring the greater number of credits.” However, the University of Iowa has no parallel requirement, as outlined in their academic catalog: “You may earn more than one baccalaureate degree from the College of Liberal Arts and Sciences. For example, you may earn a BS in biology and BA in English, or a BA in mathematics and a BM in Music. The degrees may be earned concurrently or successively…In order to earn additional baccalaureate degrees from CLAS, you must fulfill all requirements for each degree, including those for all majors and for the General Education Program. You must also fulfill the CLAS and UI residence requirements.” Similarly, there is much variation in the requirements for the award of two bachelor’s degrees across other US universities. Some do not appear to award double degrees, others require a specific number of additional hours beyond those required for the first degree awarded, and still others require no additional hours beyond the minimum hours required for a bachelor’s degree. Excerpts from the Academic Catalogs illustrating the policies of other universities on this matter are included below.
We support the retention of the 32 additional hour requirement for students whose first baccalaureate degree is already complete, but we believe that elimination of that requirement for UNI students seeking a concurrent double degree would encourage interested students to pursue two concentrations without the burden of an extra year’s work. Students would enjoy greater flexibility in planning their programs of study, and concerns about adding an extra year (with its attendant costs) would be relieved.

Policies of Iowa Regents Universities:

Iowa State University:

A student may receive two bachelor's degrees if he or she meets the requirements of each curriculum and earns at least 30 credits beyond the requirements of the curriculum requiring the greater number of credits. Each degree program must be approved by the appropriate department chair or head.

A student fulfilling the requirements of two separate curricula in different colleges may, in certain cases, receive a degree from one of the colleges with double majors crossing college lines. The permission of both deans must be obtained and each degree program must be approved by the appropriate department and dean.

University of Iowa:

Multiple degrees from CLAS [College of Liberal Arts and Sciences]

You may earn more than one baccalaureate degree from the College of Liberal Arts and Sciences. For example, you may earn a BS in biology and a BA in English, or a BA in mathematics and a BM in music. The degrees may be earned concurrently or successively. However, you can never be awarded two different baccalaureate degrees with the same major (e.g., you may not earn both a BA and a BS in Psychology).

“In order to earn additional baccalaureate degrees from CLAS, you must fulfill all requirements for each degree, including those for all majors and for the General Education Program. You must also fulfill the CLAS and UI residence requirements.

Multiple degrees from CLAS and another UI college

You may earn a University of Iowa baccalaureate degree from another UI college at the same time you are earning your CLAS degree, with the exception of a BAS and BLS degree from University College. For example, you may earn a BS from CLAS while also earning a BBA from the Tippie College of Business.
In order to earn concurrent baccalaureate degrees from different colleges, you must:

- be admitted to those colleges
- satisfy all requirements for the additional degrees, including the requirements for the majors and for the appropriate General Education Programs of both colleges
- satisfy the residence requirements of The University of Iowa and of both colleges

Additional information is available in the cooperating colleges' student services offices. Students seeking additional degrees from different UI undergraduate colleges are urged to review all requirements with their advisors as soon as possible.

Returning to CLAS for successive baccalaureate degrees

If you have been awarded one or more baccalaureate degrees from the University of Iowa, you may return for one or more additional baccalaureate degrees, as long as the degree is different from the one you previously earned (e.g., if you received a BA, you may return and earn a BS, BM, or BFA). **You may not earn a second BA degree; instead, you may return and complete a second major.** For more information on earning a second major, please see Returning to earn additional majors. Likewise, a student with a baccalaureate degree from another UI college may return and earn an additional baccalaureate degree from the College of Liberal Arts and Sciences as long as the degrees are not identical. For example, if a student has already earned a BBA, a BSN or a BSE, he or she may return to earn a BA, BS, or a BFA from CLAS.

- **You may not earn two different baccalaureate degrees with the same major**, such as a BA in Psychology and BS in Psychology. Instead, you must choose another major for the additional baccalaureate degree.
- **You may not be enrolled in a graduate or professional program while earning a baccalaureate degree.** Concurrent enrollment is not allowed.

In order to earn the additional baccalaureate degree, you must meet all requirements for that degree, including the General Education and the CLAS and UI residence requirements. Any student interested in returning to earn an additional baccalaureate degree from CLAS must apply for admission to The University of Iowa and to the College of Liberal Arts and Sciences.
Policies of other Universities

*Drake University* (which requires a minimum of 124 hours for all undergraduate degrees) has no additional hour requirements: “Undergraduates earning two or more bachelor's degrees concurrently need to successfully complete the requirements for each degree and major. The total credit minimum is 124 (excluding Doctor of Pharmacy degree). Furthermore, the Drake graduate who returns for a second undergraduate degree must complete requirements for the second major/degree; this student does not need to complete Drake Curriculum general education requirements and has no minimum number of credits required.”

*Illinois State University* (which requires a minimum of 120 hours for a bachelor’s degree) does not appear to grant double degrees.

*Indiana State University* (which requires a minimum of 120 hours for a bachelors degree) has an additional 30 hours required to earn a second degree: “A student who desires a second or additional bachelor’s degree must complete a minimum of 30 credit hours at ISU after the awarding of the first degree and must fulfill all requirements for the degree being pursued. Two baccalaureate degrees may be granted simultaneously provided all requirements for both degrees have been completed and a minimum of 150 credit hours has been earned.”

*Southern Illinois University - Carbondale* (which requires a minimum of 120 hours for a bachelors degree) has an additional 30 hours required to earn a second degree: “A student may earn two different degrees (e.g., B.A. and B.S.) at the same time by having completed the requirements for each degree and a total of at least 150 semester hours.”

*Truman State University* (which requires a minimum of 120 hours for a bachelor’s degree) has an additional 12 hours required to earn a second degree: “To earn more than one degree, students must complete at least twelve credits in addition to those required by the degree with the highest cumulative credit requirement.”

*University of Minnesota – Duluth* does not require additional hours beyond the minimum requirement of 120 hours for a bachelor’s degree for students seeking two degrees once the requirements of the two degrees have been met: “Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.”

Illinois State University and Indiana State University are former members of UNI’s peer group as designated by the Iowa Board of Regents; Truman State University and the University of Minnesota-Duluth are current members of that group.