SOUTH DAKOTA BOARD OF REGENTS

Academic and Student Affairs
Consent

AGENDA ITEM: 4 – I
DATE: April 2-4, 2019

SUBJECT
Program Modification – Accelerated Program Request – USD

CONTROLLING STATUTE, RULE, OR POLICY
BOR Policy 2:23 – Program and Curriculum Approval
AAC Guideline 2.3 – Substantive Program Modifications
AAC Guideline 2.3.A – Institutional Substantive Program Modification Requests
Summary

BACKGROUND/DISCUSSION
The University of South Dakota has submitted the following program modification proposal provided in Attachment I. This request is also available on the Institutional Substantive Program Modification Requests Webpage.

Existing Program: Substantive Program Modification
- Chemistry (MS) – request to add accelerated degree option

While the System Chief Academic Officer approves substantive course and program modifications after a formal review by the Academic Affairs Council, any program modifications that allow for the creation of accelerated programs must obtain formal approval by the Board.

IMPACT AND RECOMMENDATION
This request has been reviewed by the system Interim Vice President for Academic Affairs.

Board staff recommends approval.

ATTACHMENTS
Attachment I – USD: Substantive Program Modification Request Form

DRAFT MOTION 20190402_4-I:
I move to approve the program modification request to allow for USD’s MS in Chemistry to be offered as an accelerated program as described in Attachment I.
UNIVERSITY: University of South Dakota
CURRENT PROGRAM TITLE: Chemistry, M.S., Plan A only (Thesis)
CIP CODE: 40.0505
UNIVERSITY DEPARTMENT: Chemistry
UNIVERSITY DIVISION: Arts & Sciences

University Approval
To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

Elizabeth M. Freeburg 1/10/19
Vice President of Academic Affairs or President of the University

1. This modification addresses a change in:
   - ☐ Total credits required within the discipline
   - ☐ Total credits of supportive course work
   - ☐ Total credits of elective course work
   - ☐ Total credits required for program
   - ☐ Program name
   - ☐ Existing specialization
   - ☑ CIP Code
   - ☒ Other (explain below) Addition of a fast-track program

2. Effective date of change (enter catalog year): 2019-2020

3. Program Degree Level:
   - Associate ☐ Bachelor’s ☐ Master’s ☑ Doctoral ☐

4. Category:
   - Certificate ☐ Specialization ☐ Minor ☐ Major ☑

5. If a name change is proposed, the change will occur (place an “X” in the appropriate box):
   - ☐ On the effective date for all students
   - ☐ On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name: _____________________________

Reminder: Name changes may require updating related articulation agreements, site approvals, etc.
6. **Primary Aspects of the Modification** *(add lines or adjust cell size as needed):*

**Existing Curriculum**

<table>
<thead>
<tr>
<th>Pref.</th>
<th>Num.</th>
<th>Title</th>
<th>Cr. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Masters of Science Degree (Plan A - Thesis)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Major Area Coursework</strong></td>
<td></td>
</tr>
<tr>
<td>CHEM</td>
<td>726</td>
<td>Advanced Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM</td>
<td>730</td>
<td>Advanced Analytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM</td>
<td>744</td>
<td>Advanced Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM</td>
<td>752</td>
<td>Advanced Inorganic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM</td>
<td>790</td>
<td>Graduate Seminar in Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM</td>
<td>798</td>
<td>Thesis Research in Chemistry</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chemistry or other electives</td>
<td>6</td>
</tr>
</tbody>
</table>

The candidate must conduct independent research under the guidance of an approved advisor, and must prepare and present a thesis that demonstrates the addition of significant knowledge to some area of chemistry. The candidate is required to pass American Chemical Society standardized written examinations covering work in the department; an oral defense of the thesis is required after acceptance by the student’s advisory committee.

**Proposed Curriculum** *(highlight changes)*

<table>
<thead>
<tr>
<th>Pref.</th>
<th>Num.</th>
<th>Title</th>
<th>Cr. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Masters of Science Degree (Plan A - Thesis)</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Major Area Coursework</strong></td>
<td></td>
</tr>
<tr>
<td>CHEM</td>
<td>726</td>
<td>Advanced Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM</td>
<td>730</td>
<td>Advanced Analytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM</td>
<td>744</td>
<td>Advanced Physical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM</td>
<td>752</td>
<td>Advanced Inorganic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM</td>
<td>790</td>
<td>Graduate Seminar in Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM</td>
<td>798</td>
<td>Thesis Research in Chemistry</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chemistry or other electives</td>
<td>6</td>
</tr>
</tbody>
</table>

The candidate must conduct independent research under the guidance of an approved advisor, and must prepare and present a thesis that demonstrates the addition of significant knowledge to some area of chemistry. The candidate is required to pass American Chemical Society standardized written examinations covering work in the department; an oral defense of the thesis is required after acceptance by the student’s advisory committee.

**Subtotal** 30

**Accelerated Master’s Program: BS/MS**

Up to 12 credits applied toward the B.S. program may be used to satisfy graduate credit. The following restrictions apply:

a. Dual-listed courses taken at the 500-level can be applied to both the B.S. and M.S. degrees. Dual-listed courses must be taken at the 500-level.

b. The student must apply to, and be admitted to, the accelerated program prior to taking courses to be credited toward the accelerated program.

c. No courses taken prior to admission to the accelerated program may be counted toward an accelerated graduate degree.

d. Courses that are “double counted” must be approved by the program coordinator for inclusion in the program of study prior to registration for the course or the credits will not be applied toward the accelerated graduate degree.

e. Only courses taken at the student’s home institution are eligible for accelerated program credit. No transferred courses from other institutions will be allowed to count toward the accelerated master’s degree.

f. Students admitted to the accelerated M.S. Program may be allowed to register for all courses included in his/her program of study and these credit hours may apply to both undergraduate and graduate degree requirements.

**Subtotal** 30

Total number of hours required for degree 30

7. **Explanation of the Change:**

The addition of an accelerated option will allow advanced students who have been admitted to the Master’s program to begin the M.S. in Chemistry during their final year of undergraduate study. Undergraduate students who qualify for and are admitted to the accelerated program may register for graduate level classes (500, 600, and 700) and these credit hours may apply to both undergraduate and graduate degree requirements.