



SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS
Substantive Program Modification Form

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

Date

1. This modification addresses a change in:

- | | |
|---|---|
| <input type="checkbox"/> Total credits required within the discipline | <input type="checkbox"/> Total credits of supportive course work |
| <input type="checkbox"/> Total credits of elective course work | <input type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input checked="" type="checkbox"/> 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				Proposed Curriculum (highlight changes)			
Prof.	Num.	Title	Cr. Hrs.	Prof.	Num.	Title	Cr. Hrs.
Masters of Science Degree (Plan A - Thesis)				Masters of Science Degree (Plan A - Thesis)			
Major Area Coursework				Major Area Coursework			
CHEM	726	Advanced Organic Chemistry	4	CHEM	726	Advanced Organic Chemistry	4
CHEM	730	Advanced Analytical Chemistry	3	CHEM	730	Advanced Analytical Chemistry	3
CHEM	744	Advanced Physical Chemistry	4	CHEM	744	Advanced Physical Chemistry	4
CHEM	752	Advanced Inorganic Chemistry II	3	CHEM	752	Advanced Inorganic Chemistry II	3
CHEM	790	Graduate Seminar in Chemistry	4	CHEM	790	Graduate Seminar in Chemistry	4
CHEM	798	Thesis Research in Chemistry	6	CHEM	798	Thesis Research in Chemistry	6
		Chemistry or other electives	6			Chemistry or other electives	6
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.				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	Subtotal			30
				<p>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:</p> <p>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.</p> <p>b. The student must apply to, and be admitted to, the accelerated program prior to taking courses to be credited toward the accelerated program.</p> <p>c. No courses taken prior to admission to the accelerated program may be counted toward an accelerated graduate degree.</p> <p>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.</p> <p>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.</p> <p>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.</p>			
Total number of hours required for degree			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.