



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

UNIVERSITY:	USD
CURRENT PROGRAM TITLE:	B.S. Mathematics
CIP CODE:	270101
UNIVERSITY DEPARTMENT:	Department of Mathematical Sciences
BANNER DEPARTMENT CODE:	UMTH
UNIVERSITY DIVISION:	A&S Sciences Division
BANNER DIVISION CODE:	2A

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

Vice President of Academic Affairs or
President of the University

5/4/2020

Date

1. This modification addresses a change in:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Total credits required within the discipline | <input type="checkbox"/> Total credits of supportive course work |
| <input checked="" type="checkbox"/> Total credits of elective course work | <input checked="" type="checkbox"/> Total credits required for program |
| <input type="checkbox"/> Program name | <input type="checkbox"/> Existing specialization |
| <input type="checkbox"/> CIP Code | <input type="checkbox"/> Other (explain below) |

2. Effective date of change: Fall 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):

<i>Existing Curriculum</i>				<i>Proposed Curriculum (highlight changes)</i>			
Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
Math	123	Calculus I	5	Math	123	Calculus I	5
Math	125	Calculus II	5	Math	125	Calculus II	5
Math	225	Calculus III	4	Math	225	Calculus III	4
Math	321	Differential Equations	3	Math	321	Differential Equations	3
Math	351	Foundations of Mathematics	3	Math	351	Foundations of Mathematics	3
Math	412	Linear Algebra	3	Math	412	Linear Algebra	3
Math	413	Abstract Algebra I	3	Math	413	Abstract Algebra I	3
Math	423	Advanced Calculus I	3	Math	423	Advanced Calculus I	3
Math	488	Capstone	1	Math	488	Capstone	1
Math	300-400	Electives	9	Math	300-400	Electives	12
Phys	211	University Physics I	4	Phys	211	University Physics I	4
Phys	211L	University Physics I Lab	1	Phys	211L	University Physics I Lab	1
CSC		Programming Course	3	CSC		Programming Course	3
Total number of hours required for major, minor, or specialization			47	Total number of hours required for major, minor, or specialization			49
Total number of hours required for degree			120	Total number of hours required for degree			120

7. Explanation of the Change:

The current capstone was put in place for the former upper-division writing requirement and for departmental assessment. The intensive writing requirement no longer exists and we are going to move the assessments we did in the capstone course to take place in the courses where the content is offered. We are also going to require one additional elective course to provide students with more breadth and options to focus on an area of concentration.