



**SOUTH DAKOTA BOARD OF REGENTS  
ACADEMIC AFFAIRS FORMS**

**Substantive Program Modification Form**

Use this form to request minor changes in existing programs (majors, minors, certificates, or specializations).

<b>UNIVERSITY:</b>	NSU
<b>CURRENT PROGRAM TITLE:</b>	<b>Elementary Education Science Minor</b>
<b>CIP CODE:</b>	
<b>UNIVERSITY DEPARTMENT:</b>	<b>Department of Science and Math</b>
<b>BANNER DEPARTMENT CODE:</b>	
<b>UNIVERSITY DIVISION:</b>	<b>Science</b>
<b>BANNER DIVISION CODE:</b>	

**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.*

*Michael Wenous*

\_\_\_\_\_  
Vice President of Academic Affairs or  
President of the University

3/5/2020

\_\_\_\_\_  
Date

**1. This modification addresses a change in (place an "X" in the appropriate box):**

- |   |  |
|---|--|
| <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 checked="" type="checkbox"/> Total credits required for program |
| <input checked="" 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: 8/17/2020**

**3. Program Degree Level (place an "X" in the appropriate box):**

Associate  Bachelor's  Master's  Doctoral

**4. Category (place an "X" in the appropriate box):**

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:** Science Education Minor

*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.
BIOL	151/L	General Biology I + Lab	4	BIOL	235/L	Introduction to Biotechnology + Lab	3
BIOL	153/L	General Biology II + Lab	4	CHEM	106/L	Chemistry Survey + Lab	4
CHEM	106/L	Chemistry Survey + Lab	4	GEOG	131/L	Physical Geography: Weather and Climate + Lab	4
GEOG	131/L	Physical Geography: Weather and Climate + Lab	4	<b>Choose 1 of the Following</b>			
<b>Choose 1 of the Following</b>				BIOL	101/L	Biological Survey + Lab	3
BIOL	211/L	Environmental Biology + Lab	3	BIOL	151/L	General Biology I + Lab	4
GEOG	132/L	Physical Geography: Natural Landscapes + Lab	4	BIOL	153/L	General Biology II + Lab	4
PHYS	101/L	Survey of Physics + Lab	4	<b>Choose 1 of the Following</b>			
				BIOL	211/L	Environmental Biology + Lab	3
				GEOG	132/L	Physical Geography: Natural Landscapes + Lab	4
				BIOL	106/L	Human Biology + Lab	3
				BIOL	436	Biogeography	3
Total number of hours required for major, minor, or specialization			19-20	Total number of hours required for major, minor, or specialization			17-19
Total number of hours required for degree				Total number of hours required for degree			

**7. Explanation of the Change:**

Northern State University is making pertinent changes to the elementary education minor to address ongoing preparatory needs in science but also attract elementary education students to a science minor. Several courses in the current curriculum are highly specialized and meant for science majors. Further, courses such as PHYS 101/L Survey of Physics are not offered in a regular course rotation. The new curriculum addresses current needs in the science discipline at a level appropriate for non-science majors. We hope these changes will enlist more students, allowing better preparation in the science field as they enter the elementary classroom as educators.