



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

**Minor Program Modification**

Use this form to request minor changes in existing programs (majors, minors, certificates, or specializations). The university Vice President for Academic Affairs approves minor program modifications and they are included in the Annual Minor Program Modification Summary form.

<b>UNIVERSITY:</b>	DSU
<b>PROGRAM TITLE:</b>	BS in Biology
<b>CIP CODE:</b>	26.9999
<b>UNIVERSITY DEPARTMENT:</b>	College of Arts and Sciences
<b>UNIVERSITY DIVISION:</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.*

<hr/> Vice President of Academic Affairs or President of the University	Click here to enter a date. <hr/> Date
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**1. This modification addresses a change in (place an "X" in the appropriate box):**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Course <i>deletions</i> that do not change the nature of the program, or distribution of courses in the program, or change of total credit hours required<br><input type="checkbox"/> Revised courses in the program. | <input checked="" type="checkbox"/> Course <i>additions</i> that do not change the nature of the program, or distribution of courses in the program, or change of total credit hours required |
|---|---|

**2. Effective date of change:** Fall 2018

**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. Primary Aspects of the Modification (add lines or adjust cell size as needed):**

*Existing Curriculum*

*Proposed Curriculum (highlight changes)*

Pref.	Num.	Title	Cr. Hrs.
<b>System Wide General Education</b>			<b>30</b>
Majors must take BIOL 151 and BIOL 153 as part of the System-wide General Education Requirement			
<b>Biology Component</b>			<b>40</b>
BIOL	145	Introduction to Scientific Inquiry	1
BIOL	221	Human Anatomy	4
BIOL	280	Inquiry & Analysis in Biology	2
BIOL	311	Principles of Ecology	4
BIOL	331	Microbiology	4
BIOL	343	Cell and Molecular Biology	4
BIOL	371	Genetics	4
BIOL	498	Undergraduate Research/Scholarship	2
Select 15 credits from the following			15
BIOL	325	Physiology	
BIOL	365	Vertebrate Zoology	
BIOL	410	Conservation Biology	
BIOL	422	Immunology	
BIOL	450	Aquatic Biology	
BIOL	492	Topics*	
Math and Science Core Support Courses			23
Science and Technology Courses			15
Social Science Course			3
Electives			9
Two of these electives will have been met upon completion of BIOL 151 and BIOL 153 as part of the system general Education requirement.			
Total number of hours required for major, minor, or specialization			<b>81</b>
Total number of hours required for degree			<b>120</b>

Pref.	Num.	Title	Cr. Hrs.
<b>System Wide General Education</b>			<b>30</b>
Majors must take BIOL 151 and BIOL 153 as part of the System-wide General Education Requirement			
<b>Biology Core</b>			<b>40</b>
BIOL	145	Intro to Scientific Inquiry	1
BIOL	221	Human Anatomy	4
BIOL	280	Inquiry & Analysis in Biology	2
BIOL	311	Principles of Ecology	4
BIOL	331	Microbiology	4
BIOL	371	Genetics	4
BIOL	498	Undergraduate Research/Scholarship	2
Choose one of the following emphases:			19
<b>Molecular Biology Emphasis</b>			
BIOL	325	Physiology	4
BIOL	343	Cell and Molecular Biology	4
BIOL	422	Immunology	3
BIOL	492	Topics	1-4*
BIOL		Biology electives	4-7
<b>Integrative Biology Emphasis</b>			
BIOL	365	Vertebrate Zoology	4
BIOL	410	Conservation Biology	3
BIOL	450	Aquatic Biology	4
BIOL	492	Topics	1-4*
BIOL		Biology electives	4-7
*May be repeated provided student does not enroll in the same topics course. One credit Biology topics offering may not be combined to substitute for a required or elective three- or four credit Biology course.			
Math and Science Core Support Courses			23
Science and Technology Courses			15
Social Science Course			3
Electives			9
Two of these electives will have been met upon completion of BIOL 151 and BIOL 153 as part of the System General Education requirement.			
Total number of hours required for major, minor, or specialization			<b>81</b>
Total number of hours required for degree			<b>120</b>

**1. Explanation of the Change:**

Upper level biology courses are divided into two groups according to whether the courses focus on molecular or organismal biology. These groupings make course options more clear to students seeking specific career preparation.