

# Teaching Specialty - Biological Sciences

## Major Requirements

### Major: Biological Sciences Education

Degree Type: B.A. or B.S.

Required Degree Credits to Graduate: 140

### General Education Requirements

#### First Year Experience (F):

HD&E 189	Skills for Academic Success (Students transferring in 24 or more credits do not need to take HD&E 189.)	1
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#### Communication (C):

ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
ENGL 324	Writing in the Sciences	3
COMM 110	Fundamentals of Public Speaking	3

#### Quantitative Reasoning (R):

MATH 146	Applied Calculus I	4
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#### Science & Technology (S):

The 10 credits required in the Science and Technology category will be satisfied by completing the requirements for the teaching specialty.		10
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<b>Humanities &amp; Fine Arts (A): Select from current general education list</b>		6
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<b>Social &amp; Behavioral Sciences (B): Select from current general education list</b>		6
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<b>Wellness (W): Select from current general education list</b>		2
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<b>Cultural Diversity (D): Select from current general education list</b>		
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<b>Global Perspectives (G):</b>		
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GEOL 105	Physical Geology	3
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<b>Total Credits</b>		<b>41</b>
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## Major Requirements

<b>General Education Requirements</b>		<b>40</b>
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<b>Professional Education Requirements</b>		
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EDUC 321	Introduction to Teaching	3
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EDUC 322	Educational Psychology	3
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EDUC 451	Instructional Planning, Methods and Assessment	3
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EDUC 481	Classroom Practice Methods of Teaching I: (Science)	3
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EDUC 485	Student Teaching Seminar	1
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EDUC 486	Classroom Management for Diverse Learners	3
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EDUC 487	Student Teaching	9
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EDUC 488	Applied Student Teaching	3
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EDUC 489	Teaching Students of Diverse Backgrounds	3
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<b>Teaching Specialty Requirements</b>		
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BIOL 124 & 124L	Environmental Science and Environmental Science Laboratory	4
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BIOL 150 & 150L	General Biology I and General Biology I Laboratory	4
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BIOL 151 & 151L	General Biology II and General Biology II Laboratory	4
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BIOL 220 & 220L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Laboratory	4
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BIOL 221 & 221L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Laboratory	4
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BIOL 364	General Ecology	3
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BIOL 359	Evolution	3
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BIOL 491	Seminar (Capstone)	2
Select one of the following:		4
BOT 315 & 315L	Genetics and Genetics Laboratory	
ZOO 315 & 315L	Genetics and Genetics Laboratory	
Botony Elective	300-400 Level Elective	3
CHEM 121 & 121L	General Chemistry I and General Chemistry I Laboratory	4
CHEM 122 & 122L	General Chemistry II and General Chemistry II Laboratory	4
CHEM 240	Survey of Organic Chemistry	3
CHEM 260	Elements of Biochemistry	4
GEOL 105 & 105L	Physical Geology and Physical Geology Lab	4
GEOL 106 & 106L	The Earth Through Time and The Earth Through Time Lab	4
PHYS 211 & 211L	College Physics I and College Physics I Laboratory	4
PHYS 212 & 212L	College Physics II and College Physics II Laboratory	4
STAT 330	Introductory Statistics	3
ZOO 370	Cell Biology	3
Zoology Elective	300-400 Level Elective	3
Computer Science Elective	Elective	3
<b>Total Credits</b>		<b>140</b>

## Degree Requirements and Notes

- Courses taken P/F may not be used to satisfy any requirements.
- GPA of 2.75 or better in the teaching specialty is required for placement in student teaching and exit from the program.
- A grade of 'C' or better is required in all Professional Education Requirement courses.
- A GPA of 2.75 or better in professional education as well as passing the appropriate Praxis II exam are required to exit the program.
- See School of Education (<https://www.ndsu.edu/education>) for admission requirements.