

Teaching Specialty - Comprehensive Science

Major Requirements

Major: Comprehensive Science Education

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

Required Degree Credits to Graduate: 136

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):

STAT 330	Introductory Statistics	3
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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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Humanities & Fine Arts (A): Select from current general education list	6
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Social & Behavioral Sciences (B): Select from current general education list	6
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Wellness (W): Select from current general education list	2
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Cultural Diversity (D): Select from current general education list	
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Global Perspectives (G):	
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GEOL 105	Physical Geology	3
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Total Credits	40
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Major Requirements

General Education Requirements	40
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Professional Education Requirements	
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EDUC 321	Introduction to Teaching	3
EDUC 322	Educational Psychology	3
EDUC 451	Instructional Planning, Methods and Assessment	3
EDUC 481	Classroom Practice Methods of Teaching I: (Science)	3
EDUC 485	Student Teaching Seminar	1
EDUC 486	Classroom Management for Diverse Learners	3
EDUC 487	Student Teaching	9
EDUC 488	Applied Student Teaching	3
EDUC 489	Teaching Students of Diverse Backgrounds	3

Teaching Specialty Requirements	
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BIOL 124 & 124L	Environmental Science and Environmental Science Laboratory	4
BIOL 150 & 150L	General Biology I and General Biology I Laboratory	4
BIOL 151 & 151L	General Biology II and General Biology II Laboratory	4
BIOL 491	Seminar	2
BOT 372	Structure and Diversity of Plants and Fungi	4
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 260	Elements of Biochemistry	4
CHEM 341 & 341L	Organic Chemistry I and Organic Chemistry I Laboratory	4
CHEM 342 & 342L	Organic Chemistry II and Organic Chemistry II Laboratory	4
Computer Science Elective	Elective	2
MATH 165	Calculus I	4
MATH 166	Calculus II	4
PHYS 110	Introductory Astronomy	3
PHYS 251 & 251L	University Physics I and University Physics I Laboratory	5
PHYS 252 & 252L	University Physics II and University Physics II Laboratory	5
GEOL 105 & 105L	Physical Geology and Physical Geology Lab	4
GEOL 106 & 106L	The Earth Through Time and The Earth Through Time Lab	4
Biology/Botany/Zoology Elective	300-400 Level	6

Total Credits**136****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.