# **Comprehensive Science Education**

#### Department Information

· Department Location:

Katherine Kilbourne Burgum Family Life, 4-H Center

· Department Phone:

701-231-7921

· Department Web Site:

www.ndsu.edu/education/

· Degrees Offered:

B.S.; B.A.

· Plan Of Study Sample:

bulletin.ndsu.edu/programs-study/undergraduate/comprehensive-science-education/#planofstudytext

## **Major Requirements**

## **Major: Comprehensive Science Education**

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

Required Degree Credits to Graduate: 136

#### **University Degree Requirements**

- 1. Satisfactory completion of all requirements of the curriculum in which one is enrolled.
- 2. Earn a minimum total of 120 credits in approved coursework. Some academic programs exceed this minimum.
- 3. Satisfactory completion of the general education requirements as specific by the university.
- 4. A minimum institutional GPA of 2.00 based on work taken at NDSU.
- 5. At least 36 credits presented for graduation must be in courses number 300 or higher.
- 6. Transfer Students: Must earn a minimum of 60 credits from a baccalaureate-degree granting or professional institituion.
  - a. Of these 60, at least 36 must be NDSU residence credits as defined in #7.
  - b. Within the 36 resident credits, a minimum of 15 must be in courses numbered 300 or higher and 15 credits in the major field of study.
- 7. At least 36 credits must be NDSU resident credits. Residence credits include credits registered and paid for at NDSU.

For complete information, please refer to the Degree and Graduation Requirements (http://bulletin.ndsu.edu/past-bulletin-archive/2018-19/academic-policies/undergraduate-policies/degree-and-graduation) section of this Bulletin.

#### **University General Education Requirements**

Code	Title	Credits
Communication (C)		12
ENGL 110	College Composition I	
ENGL 120	College Composition II	
COMM 110	Fundamentals of Public Speaking	
Upper Division Writing <sup>†</sup>		
Quantitative Reasoning (R) †		3
Science and Technology (S) <sup>†</sup>		10
Humanities and Fine Arts (A) †		6
Social and Behavioral Sciences (B)		6
Wellness (W) <sup>†</sup>		2
Cultural Diversity (D) *†		
Global Perspectives (G) *+		
Total Credits		39

<sup>\*</sup> May be satisfied by completing courses in another General Education category.

<sup>†</sup> General education courses may be used to satisfy requirements for both general education and the major, minor, and program emphases, where applicable. Students should carefully review major requirements to determine if specific courses can also satisfy these general education categories.

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• A list of university approved general education courses and administrative policies are available here (http://bulletin.ndsu.edu/past-bulletin-archive/2018-19/academic-policies/undergraduate-policies/general-education/#genedcoursestext).

### **Major Requirements**

Title	Credits
Requirements	
Writing in the Sciences (May satisfy general education category C)	3
Introductory Statistics (May satisfy general education category R)	3
Elements of Biochemistry	4
Environmental Science	4
and Environmental Science Laboratory	
General Biology I and General Biology I Laboratory	4
General Biology II and General Biology II Laboratory	4
Seminar	2
Structure and Diversity of Plants and Fungi	4
General Chemistry I and General Chemistry I Laboratory	4
General Chemistry II and General Chemistry II Laboratory	4
Organic Chemistry I and Organic Chemistry I Laboratory	4
Organic Chemistry II	4
	2
Calculus I	4
Calculus II	4
Introductory Astronomy	3
	5
and University Physics I Laboratory	
University Physics II and University Physics II Laboratory	5
Physical Geology and Physical Geology Lab (May satisfy general education category G)	4
The Earth Through Time and The Earth Through Time Lab	4
300-400 Level	6
nts	
Introduction to Teaching	3
Educational Psychology	3
Instructional Planning, Methods and Assessment	3
Classroom Practice Methods of Teaching I: (Science)	3
Student Teaching Seminar	1
Classroom Management for Diverse Learners	3
Student Teaching	9
Applied Student Teaching	3
Teaching Students of Diverse Backgrounds	3
	Requirements  Writing in the Sciences (May satisfy general education category C) Introductory Statistics (May satisfy general education category R)  Elements of Biochemistry Environmental Science and Environmental Science Laboratory General Biology I and General Biology I Laboratory General Biology II Laboratory General Biology II Laboratory Seminar Structure and Diversity of Plants and Fungi General Chemistry I and General Chemistry I Laboratory General Chemistry II and General Chemistry II Laboratory Organic Chemistry II Laboratory Organic Chemistry II and Organic Chemistry II Laboratory Organic Chemistry II and Organic Chemistry II Laboratory Organic Chemistry II and Organic Chemistry II Introductory Astronomy University Physics I Laboratory University Physics I Laboratory University Physics I Laboratory University Physics II Laboratory Physical Geology and Physical Geology Lab (May satisfy general education category G) The Earth Through Time and The Earth Through Time Lab 300-400 Level Itts Introduction to Teaching Educational Psychology Instructional Planning, Methods and Assessment Classroom Practice Methods of Teaching I: (Science) Student Teaching Seminar Classroom Management for Diverse Learners Student Teaching

### **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.