Major: **Science Education - Teaching**  
Bachelor of Science Education  
Prepared by:  
Date:  
120 hours are required to graduate  
36 hours of upper level are required  

### Gen Ed Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Needs</th>
<th>Has</th>
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<tbody>
<tr>
<td>3 ENGL 101</td>
<td>100</td>
<td>100</td>
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<tr>
<td>3 ENGL 201</td>
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<tr>
<td>3 SPCM 101</td>
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<td>3 SPCM 201</td>
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<tr>
<td>3 MATH 102</td>
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<td>3 MATH 103</td>
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<tr>
<td>3-5 Natural Science &amp; Lab (see major)</td>
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<td><strong>TOTALS:</strong></td>
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</table>

### Major Requirements

**Must earn grade of "C" or better in all required coursework.**

- **Required Core - 7 semester hours**
  - 4 MATH 123 Calculus I
  - 3 SEED 413 7-12 Science Methods

- **Take two areas of science study from the following:**
  - **Biology - 24 semester hours**
    - 4 BIOL 151/L General Biology I/Lab
    - 4 BIOL 153/L General Biology II Lab
    - 4 BIOL 311/L Principles of Ecology/Lab
    - 4 BIOL 325/L Physiology/Lab
    - 4 BIOL 331/L Microbiology/Lab
    - 4 BIOL 371/L Genetics/Lab
  - **Chemistry - 24 semester hours**
    - 4 CHEM 112/L General Chemistry I/Lab
    - 4 CHEM 114/L General Chemistry II/Lab
    - 4 CHEM 326/L Organic Chemistry I/Lab
    - 4 CHEM 328/L Organic Chemistry II/Lab
    - 4 CHEM 332/L Analytical Chemistry/Lab
    - 4 CHEM 464/L Biochemistry I/Lab
  - **Earth Science - 23 semester hours**
    - 4 GEOL 201/L Physical Geology/Lab
    - 4 GEOL 203/L Historical Geology/Lab
    - 3 GEOL 321 Conservation of Natural Resources
    - 3 PHYS 185/L Introduction to Astronomy I/Lab
    - 9 take three courses from the following:
      - GEOG 101 Volcanology
      - GEOG 340 Mineralogy/Petrology
      - GEOG 350 Environmental Geology
      - GEOG 360 Environmental Geochemistry
      - GEOG 370 Hydrogeology
      - PHYS 211/L University Physics/Lab
      - SCI 388 Global Positioning & Geographical Info Systems
  - **Physics - 24 semester hours**
    - 4 MATH 125 Calculus II
    - 3 PHYS 185/L Introduction to Astronomy I/Lab
    - 5 PHYS 211/L University Physics I/Lab
    - 5 PHYS 213/L University Physics II/Lab
    - 4 PHYS 331 Introduction to Modern Physics
    - 3 PHYS 451 Classical Mechanics
  - **Pre-Professional Teaching Core - 21 semester hours**
    - 1 EDFN 295 Practicum: Pre-Admission Teaching
    - 2 EDFN 338 Foundations of American Education
    - 3 EDFN 475 Human Relations
    - 3 EPSY 302 Educational Psychology
    - 3 EPSY 428 Child & Adolescent Development
    - 3 INED 411 South Dakota Indian Studies
    - 3 PSYC 101 General Psychology (gen ed)
    - 3 SPED 100 Intro to Persons with Exceptionalities

| B.BSED.SC | 120 | 36 |

### Additional Information

- **Total Needs:** 120
- **Total Has:** 100

**Adl. hours to meet 50% rule**

**Adl. hours to meet 60 from 4-yr Inst.**

**Adl. hours to total 36 upper level**

**Adl. hours to total 120**

**Social Science - 2 courses required**

**Arts & Humanities - 2 courses required**

**Addl. hours in major/minor to meet 50% rule**

**Addl. hours to meet 60 from 4-yr Inst.**

**Addl. hours to total 36 upper level**

**Addl. hours to total 120**

**Professional Secondary Ed Teach Core - 23 hrs**

- 3 EDFN 365 Computer Based Tech
- 1 EDFN 375 Meth of Tech Integration
- 2 MLED 480 Middle Level Methods
- 3 SEED 408 7-12 Diverse Classroom
- 3 SEED 450 Reading/Content Literacy
- 1 SEED 495 Practicum: Pre-Student Teaching
- 1 EDFN 440 Classroom Mgmt
- 9 SEED 488 7-12 Student Teaching

**TOTALS:** 100