Combine Science And Working With People!
Become equipped to meet the tremendous demand for high quality science teachers throughout the region and across the country with a degree in Science Education from Black Hills State University.

Prepare For Your Future
BHSU focuses on providing an integrated curriculum that prepares future teachers to teach science. This affords students the opportunity to become deeply immersed in the content of biology, chemistry or earth science while learning innovative strategies to help teach the subjects. Teaching methods include classroom observations, laboratory lessons, many field experiences, and research.

Learn From The Best
The faculty at BHSU will guide you in hands-on research and application methods in state-of-the-art laboratories. BHSU has world-class science faculty with experience in collaborative research studies that result in published works. Take advantage of the small class size and the one-on-one attention from dedicated professors.

Enjoy The Experience
Participate in extensive content and clinical experiences that will prepare you for teaching assignments in multiple areas of Science Education. The demand is high for teachers to be certified in science. Why not get certified today?

Let your love of reasoning, inquiry, and working with people propel you toward a degree in science education. We deliver on our promise to prepare caring, competent, and confident professionals.

find your career:
- Upon graduation with a degree in Science Education, you can expect to find numerous opportunities to teach. In fact, it is projected that in the next decade, the United States will require 170,000 new middle and high school math and science teachers.
- BHSU offers the MSCI Science Specialist program with core courses available online. Through this program, you have the opportunity to take graduate work directly into your classroom and connect theory to practice.

connect with us
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Composite Major in Science Education
Required Core

4cr MATH 123 Calculus I
3cr SEED 413 7-12 Science Methods

Notes: This program guide serves as a resource for you. For official program requirements, please check with the official catalog at http://catalog.bhsu.edu.

General Education Requirements

<table>
<thead>
<tr>
<th>Gen Ed</th>
<th>Mathematics</th>
<th>Satisfied by major</th>
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<tbody>
<tr>
<td>Gen Ed</td>
<td>Social Science</td>
<td>6 semester hours</td>
</tr>
<tr>
<td>Gen Ed</td>
<td>Arts &amp; Humanities</td>
<td>6 semester hours</td>
</tr>
<tr>
<td>Gen Ed</td>
<td>Natural Science AND Lab</td>
<td>Satisfied by major</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>Composition I</td>
<td></td>
</tr>
<tr>
<td>ENGL 201</td>
<td>Composition II</td>
<td></td>
</tr>
<tr>
<td>SPCM 101 OR SPCM 215 OR SPCM 222</td>
<td>Speech</td>
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Pre-Professional Teaching Core

1cr EDFN 295 Practicum: Pre-Admission Teaching
2cr EDFN 338 Foundations of American Education
3cr EPSY 302 Educational Psychology
3cr EPSY 428 Child & Adolescent Development
3cr INED 411 South Dakota Indian Studies
3cr PSYC 101 General Psychology **
3cr SPED 100 Introduction to Persons with Exceptionalities

Take 2 areas of science study from the following:

**Biology**
- 4cr BIOL 151 General Biology I AND 151L Lab
- 4cr BIOL 153 General Biology II AND 153L Lab
- 4cr BIOL 311 Principles of Ecology AND 311L Lab
- 4cr BIOL 325 Physiology AND 325L Lab
- 4cr BIOL 331 Microbiology AND 331L Lab
- 4cr BIOL 371 Genetics AND 371L Lab

**Earth Science**
- 4cr GEOL 201 Physical Geology AND 201L Lab
- 4cr GEOL 203 Historical Geology AND 203L Lab
- 3cr GEOL 321 Conservation of Natural Resources
- 3cr PHYS 185 Introduction to Astronomy I AND 185L Lab

Take 3 courses from the following:
- 3cr GEOL 310 Volcanology
- 3cr GEOL 340 Mineralogy/Petrology
- 3cr GEOL 350 Environmental Geology
- 3cr GEOL 360 Environmental Geochemistry
- 3cr GEOL 370 Hydrogeology
- 3cr PHYS 211 University Physics I AND 211L Lab

- 3cr SCI 388 Global Positioning & Geographical Info Systems

**Chemistry**
- 4cr CHEM 112 General Chemistry I AND 112L Lab
- 4cr CHEM 114 General Chemistry II AND 114L Lab
- 4cr CHEM 326 Organic Chemistry I AND 326L Lab
- 4cr CHEM 328 Organic Chemistry II AND 328L Lab
- 4cr CHEM 332 Analytical Chemistry AND 332L Lab
- 4cr CHEM 464 Biochemistry AND 464L Lab

**Physics**
- 4cr MATH 125 Calculus II
- 3cr PHYS 185 Introduction to Astronomy I AND 185L Lab
- 5cr PHYS 211 University Physics I AND 211L Lab
- 5cr PHYS 213 University Physics II AND 213L Lab
- 4cr PHYS 331 Introduction to Modern Physics
- 3cr PHYS 451 Classical Mechanics

**Professional Secondary Ed Teaching Core**
- 3cr EDFN 365 Computer-Based Technology & Learning
- 1cr EDFN 375 Methods of Technology Integration
- 1cr EDFN 440 Classroom Management
- 2cr MLED 480 Middle Level Methods
- 3cr SEED 408 Plan, Manage & Assess the 7-12 Diverse Classroom
- 3cr SEED 450 7-12 Reading and Content Literacy
- 1cr SEED 495 Practicum: Pre-Student Teaching
- 3cr EDFN 475 Human Relations
- 9cr SEED 488 7-12 Student Teaching

A minor is NOT required with this major but electives are required to total 120 hours, of which 36 hours must be 300/400 level courses. Students are encouraged to pursue a minor, but to be certified to teach, a content praxis exam must be passed in both the major & minor areas of study.

**Completes one general education requirement.**