### Major Requirements

**Mathematics - 24 semester hours**

1. **MATH 123** Calculus I
2. **MATH 125** Calculus II
3. **MATH 225** Calculus III
4. **MATH 361** Modern Geometry
5. **MATH 481** Probability & Statistics

6. **take two courses from the following**
   - **MATH 315** Linear Algebra
   - **MATH 413** Abstract Algebra I
   - **MATH 425** Real Analysis I

**Methods - 5 semester hours**

1. **SEED 413** 7-12 Science Methods
2. **SEED 418** 7-12 Math Methods

**Biology - 23 semester hours**

1. **BIOL 151** General Biology I & 151L Lab
2. **BIOL 153** General Biology II & 153L Lab
3. **BIOL 311** Principles of Ecology & 311L Lab
4. **BIOL 331** Microbiology & 331L Lab
5. **BIOL 371** Genetics & 371L Lab
6. **BIOL 3 Elective**

**Chemistry - 20 semester hours**

1. **CHEM 112** General Chemistry I & 112L Lab
2. **CHEM 114** General Chemistry II & 114L Lab
3. **CHEM 326** Organic Chemistry I & 326L Lab
4. **CHEM 328** Organic Chemistry II & 328L Lab
5. **CHEM 332** Analytical Chemistry & 332L Lab

**Physics - 19 semester hours**

1. **PHYS 185** Introduction to Astronomy & 185L Lab
2. **PHYS 211** University Physics I & 211L Lab
3. **PHYS 213** University Physics II & 213L Lab
4. **PHYS 331** Introduction to Modern Physics
5. **PHYS 471** Quantum Mechanics

**Pre-Professional Teaching Core - 18 semester hours**

1. **EDFN 295** Practicum: Pre-Admission Teaching
2. **EDFN 338** Foundations of American Education
3. **EPSY 302** Educational Psychology
4. **EPSY 428** Child & Adolescent Development
5. **INED 411** South Dakota Indian Studies
6. **PSYC 101** General Psychology (gen ed)
7. **SPED 405** Educating Secondary Students with Disabilities

**Professional Secondary Ed Teaching Core - 24 semester hours**

1. **EDFN 365** Computer Based Technology & Learning
2. **MLED 480** Middle Level Methods
3. **SEED 408** Plan, Manage & Assess the 7-12 Diverse Classroom
4. **SEED 450** 7-12 Reading and Content Literacy
5. **SEED 495** Practicum Pre-Student Teaching
6. **EDFN 475** Human Relations
7. **SEED 488** 7-12 Student Teaching

+ (If Necessary) Additional hours in major to meet 50% rule

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**Minor Requirements**

**Mathematics - 24 semester hours**

- **MATH 102, 103, 104, 115, 120, 121, 123, 281**

**Pre-Professional Teaching Core - 24 semester hours**

1. **EDFN 295** Practicum: Pre-Admission Teaching
2. **EDFN 338** Foundations of American Education
3. **EPSY 302** Educational Psychology
4. **EPSY 428** Child & Adolescent Development
5. **INED 411** South Dakota Indian Studies
6. **PSYC 101** General Psychology (gen ed)
7. **SPED 405** Educating Secondary Students with Disabilities

**Professional Secondary Ed Teaching Core - 24 semester hours**

1. **EDFN 365** Computer Based Technology & Learning
2. **MLED 480** Middle Level Methods
3. **SEED 408** Plan, Manage & Assess the 7-12 Diverse Classroom
4. **SEED 450** 7-12 Reading and Content Literacy
5. **SEED 495** Practicum Pre-Student Teaching
6. **EDFN 475** Human Relations
7. **SEED 488** 7-12 Student Teaching

+ (If Necessary) Additional hours in major to meet 50% rule

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**Total Requirements:**

- *Bachelor of Science Education*
  - **Total:** 120 hours
  - *Upper Level:* 36 hours

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**Gen Ed Requirements**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Needs</th>
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<tbody>
<tr>
<td>ENGL 101</td>
<td>Composition I</td>
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<tr>
<td>ENGL 201</td>
<td>Composition II</td>
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<tr>
<td>MATH 102, 103, 104, 115, 120, 121, 123, 281</td>
<td>Natural Science &amp; Lab</td>
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<td>Natural Science &amp; Lab</td>
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<td>WEL 100/L Wellness &amp; Lab</td>
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**Social Science - 3 courses required**

- **ANTH 210, 220, 230**
- **ECON 101, 201, 202**
- **GEOG 101, 210, 212, 219**
- **HIST 151, 152, 256, 257, 313**
- **POLS 100, 102, 141, 165, 210, 250, 253, 349**
- **PSY 101, 102**
- **REL 237**
- **SOC 100, 150, 240, 250, 285, 350**

**Arts & Humanities - 4 courses required**

- **ART 111, 112, 121, 123**
- **HUM 100, 200, 254, 387, 388**
- **MUS 100, 131, 200, 201, 203, 230, 231, 240**
- **PHIL 100, 200, 215, 220, 233, 270**
- **REL 213, 224, 225, 238, 250, 270**
- **THEA 100, 131, 200, 201, 231, 270**
- **FREN 101, 102, GER 101, 102**
- **RUSS 101, 102, SPAN 101, 102, ARAB/GREE**

**Earth Science - 20 semester hours**

- **GEOL 201** Physical Geology & 201L Lab
- **GEOL 203** Historical Geology/203L Lab
- **GEOL 321** Conservation of Nat. Res.
- **3-5 Natural Science & Lab**
- **5-7 Natural Science & Lab**

**Total:** 94

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**Total:** 120