Major: **Mathematics - Teaching**  
2021-2022 - Status Sheet

Minor:  
Degree: **Bachelor of Science Education**

120 hours are required to graduate  
36 hours of upper level are required

<table>
<thead>
<tr>
<th>Gen Ed Requirements</th>
<th>Has</th>
<th>Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 ENGL 101</td>
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<tr>
<td>3 ENGL 201</td>
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<tr>
<td>3 CMST 101</td>
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<tr>
<td>3 MATH: see major</td>
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<tr>
<td>3-5 Natural Science &amp; Lab</td>
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</table>

**SOCIAL SCIENCE**: take 2 courses from two different subject areas.  
**ARTS & HUMANITIES**: take 2 courses from two different subject areas (ART/H) are the same subject), or a Foreign Language Sequence.

**Social Science - 2 courses required**

<table>
<thead>
<tr>
<th>PSYC 101 required for major, and will also satisfy a SS class. Take 1 additional course from the following:</th>
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</thead>
<tbody>
<tr>
<td>ABS 203  ANTH 210, 220, 230  CJUS 201</td>
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<tr>
<td>CMST 201  ECON 201, 202  GEOG 101, 200, 210, 212, 219 GLST 201</td>
</tr>
<tr>
<td>HIST 151, 152, 256, 257 INED 211 INFO 102</td>
</tr>
<tr>
<td>NATV 110  POLS 100, 102, 141, 165, 210, 250, 253 REL 237 SOC 100</td>
</tr>
<tr>
<td>100, 150, 151, 240, 250, 285 SUST 201 UHON 111, 210 WMST 101, 247</td>
</tr>
</tbody>
</table>

**Arts & Humanities - 2 courses required**

<table>
<thead>
<tr>
<th>ARAB 101, 102 ARCH 241 ART 111, 112, 121, 123 ARTH 100, 120, 121, 211, 212, 231, 251 CHIN 101, 102 ENGL 115, 125, 210, 211, 212, 214, 221, 222, 230, 240, 241, 242, 248, 249, 250, 250, 258, 268 FREN 101, 102, 201, 202 GER 101, 102, 201, 202 GFA 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREE 101, 102 HIST 111, 112, 121, 122 HUM 100 LAKL 101, 102, 201, 202 LATI 101, 102 MCOM 151, 160 MFL 101, 102 MUS 100, 117, 130, 131, 200, 201, 203, 240 PHIL 100, 200, 215, 220, 233, 240, 270, 287 REL 213, 224, 225, 238, 250 RUSS 101, 102 SPAN 101, 102, 201, 202 THEA 100, 131, 200, 201, 231, 270</td>
</tr>
</tbody>
</table>

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

1 EDFN 295 Practicum: Pre-Admission Teaching  
2 EDFN 338 Foundations of American Education  
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

**Professional Secondary Ed Teaching - 26 semester hours**

3 EDFN 365 Computer Based Technology & Learning  
1 EDFN 375 Methods of Technology Integration  
3 EDFN 475 Human Relations  
2 MLED 480 Middle Level Methods  
3 SEED 408 Diverse 7-12 Classroom  
1 SEED 440 Classroom Management  
3 SEED 450 7-12 Reading and Content Literacy  
1 SEED 495 Practicum: Pre-Student Teaching  
9 SEED 488 7-12 Student Teaching

**Major Requirements**

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

- **Required Core - 21 semester hours**
  - 4 MATH 123 Calculus I (gen ed)
  - 4 MATH 125 Calculus II
  - 4 MATH 225 Calculus III
  - 3 MATH 281 Introduction to Statistics
  - 3 MATH 361 Modern Geometry
  - 3 SEED 418 7-12 Math Methods

- **Mathematics Education Emphasis - 27 semester hours**
  - 3 CSC 150 Computer Science I
  - 3 MATH 315 Linear Algebra
  - 3 MATH 321 Differential Equations
  - 3 MATH 351 Foundations of Mathematics
  - 3 MATH 413 Abstract Algebra I
  - 3 MATH 423 Advanced Calculus I
  - 3 MATH 481 Probability and Statistics

- **Restricted Electives - take two courses from the following:**
  - MATH 316 Discrete Mathematics
  - MATH 411 Theory of Numbers
  - MATH 416 Combinatorics
  - MATH 421 Complex Analysis
  - MATH 440 Mathematics of Finance
  - MATH 450 History of Mathematics
  - MATH 461 Introduction to Topology
  - MATH 487 Design of Experiments

**Additional hours in major/minor to meet 50% rule**

- **Adit. hours to meet 60 from 4-yr Inst.**
- **Adit. hours to total 36 upper level**
- **Adit. hours to total 120**

**TOTALS:** 92