**Major: Mathematics - Teaching**  
2011-2012 - Status Sheet  

**Minor:** Bachelor of Science Education  

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

**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  
3 SPED 405 Educating Secondary Students with Disabilities  

**Professional Secondary Ed Teaching Core - 24 semester hours**  
3 EDFN 365 Computer Based Technology & Learning  
2 MLED 480 Middle Level Methods  
3 SEED 408 Plan, Manage & Assess the 7-12 Diverse Classroom  
3 SEED 450 7-12 Reading and Content Literacy  
1 SEED 495 Practicum: Pre-Student Teaching  

12 SEED 488 7-12 Student Teaching  
+(If Necessary) Additional hours in major to meet 50% rule  

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**Gen Ed Requirements**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Has</th>
<th>Needs</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>400</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>400</th>
</tr>
</thead>
</table>

**Social Science - 3 courses required**  
ANTH: 210, 220, 230  
ECON: 101, 201, 202  
GEOG: 101, 200, 210, 212, 219  
HIST: 151, 152, 153, 256, 257, 313  
POLS: 100, 102, 141, 165, 210, 250, 253, 349  
PSYC: 101, 102  
SOC: 100, 150, 240, 250, 285, 350  

**Arts & Humanities - 4 courses required**  
ART: 111, 112, 121, 123  
ARTH: 100, 121, 211, 212, 231, 251  
ENGL: 115, 210, 211, 212, 214, 221, 222, 230, 240, 241  
ENGL: 242, 248, 249, 250, 256, 258, 268, 320, 411  
HIST: 111, 112, 121, 122  
MUS: 100, 200, 254, 387, 388  
MUS: 130, 131, 200, 201, 203, 230, 231, 240  
MUS: 100, 200, 215, 220, 233, 270  
PHIL: 101, 102, 103, 122  
REL: 213, 224, 225, 238, 250, 270  
THEA: 100, 131, 200, 201, 231, 270  
FREN: 101, 102  
GER: 101, 102  
RUSS: 101, 102  
LAKL: 101, 102  
SPAN: 101, 102  
ARAB/GREE  

**Global Requirement:** depending on your selection, this requirement will satisfy 3 hours of either Social Science or Arts & Humanities requirements. Take 1 course from: AIS/HIST 257, ANTH 210, ARTH 211/212/251, ENGL 211/212, GEOG 210, HIST 121/122/153, HUM 100, MCOM 151, MUS 130, POLS 141/250  

**Technology:** HSREQ, MIS 105 or 205:  

3 ENGL 101 Composition I  
3 ENGL 201 Composition II  
3 SPCM 101 215 222  
3 MATH: 102, 103, 104, 115, 120, 121, 123, 281  
3-5 Natural Science & Lab  
3-5 Natural Science & Lab  
2 WEL 100/L Wellness & Lab  

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**Major Requirements**  

<table>
<thead>
<tr>
<th>Course</th>
<th>Has</th>
<th>Needs</th>
<th>100</th>
<th>200</th>
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<th>400</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>400</th>
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</thead>
</table>

**Required Core - 41 semester hours**  
4 MATH 123 Calculus I  
4 MATH 125 Calculus II  
2 MATH 221 Intro: Discrete Mathematics  
4 MATH 225 Calculus III  
3 MATH 315 Linear Algebra  
3 MATH 321 Differential Equations  
3 MATH 361 Modern Geometry  
3 MATH 413 Abstract Algebra I  
3 MATH 425 Real Analysis I  
3 MATH 481 Probability and Statistics  

+ 50% of major/minor courses must be from BHSU  

**Restricted Electives - take two courses from the following:**  
MATH 316 Discrete Mathematics  
MATH 373 Introduction to Numerical Analysis  
MATH 411 Theory of Numbers  
MATH 414 Abstract Algebra II  
MATH 422 Complex Variables  
MATH 426 Real Analysis II  
MATH 427 Introduction to Functional Analysis  
MATH 471 Numerical Analysis I  
MATH 472 Numerical Analysis II  
MATH 483 Regression Analysis  
MATH 484 Applied Multivariate Analysis  
MATH 487 Design of Experiments  

**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  
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**TOTALS:** 86  
**TOTALS:**