**Major: Mathematics - Teaching**  
*2012-2013 - Status Sheet*

- **Minor:** Bachelor of Science Education
- **Degree:** Bachelor of Science Education
- **Prepared by:** 120 hours are required to graduate
  - 36 hours of upper level are required
- **CAAP Proficiency Exam:**

### Major Requirements

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

**Required Core - 35 semester hours**

1. **ENGL 101** Composition I
2. **ENGL 201** Composition II
3. **SPCM 101** 215 222
4. **MATH 102, 103, 104, 115, 120, 121, 123, 281**
5. **MATH 102, 103, 104, 115, 120, 121, 123, 281**
6. **MATH 221** Intro: Discrete Mathematics
7. **MATH 225** Calculus III
8. **MATH 315** Linear Algebra
9. **MATH 321** Differential Equations
10. **MATH 361** Modern Geometry
11. **MATH 413** Abstract Algebra I
12. **MATH 425** Real Analysis I
13. **MATH 481** Probability and Statistics
14. **SEED 418** 7-12 Math Methods

#### 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 - 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
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

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**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, POLS 141/250**

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**Additional hours to total 36 upper level**

**Additional hours to total 120**