

**Mathematics with Quad Certification**  
 Childhood and Childhood with Disabilities (Grades 1 - 6)  
 Middle Childhood and MCWD Specialist (Grades 5 - 9)

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**General Requirements**

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| <b>Requirement</b>        |  | <b>Semester</b> |
|---------------------------|--|-----------------|
| English                   |  |                 |
| 101 or equivalent         |  |                 |
| 102 or equivalent         |  |                 |
| Foreign Language          | One language - six hours                         |                 |
| Course 1                  |  |                 |
| Course 2                  |  |                 |
| Freshman Seminar          | Freshman Seminar                                 |                 |
| Global Perspective Req.   |  |                 |
| Writing Intensive Courses |  |                 |
| Recommended               | Eng 356, (Offered in the 2002-2003 school year.) |                 |
| Elective 2                |  |                 |
| Major Course              | Mth 201  |                 |
| Physical Education        |  |                 |
| Elective 1                | Ped 128 or Ped 130 recommended                   |                 |
| Elective 2                |  |                 |

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## Perspectives Requirements

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### PI Requirements

25 credits - one course in each area

| Area                             | Course                   | Semester |
|----------------------------------|--------------------------|----------|
| Fine Arts                        | _____                    | _____    |
| History (205 or 206 recommended) | _____                    | _____    |
| Literature                       | _____                    | _____    |
| Mathematics                      | _____                    | _____    |
| Philosophy                       | _____                    | _____    |
| Religious Studies                | _____                    | _____    |
| Science with lab                 | Bio 111/110L recommended | _____    |
| Social Science                   | Psy 101 recommended      | _____    |

### PII Requirements

At least four different areas, excluding mathematics, including science.

|                 |                     |       |
|-----------------|---------------------|-------|
| Social Sciences | Psy 221 recommended | _____ |
| Area 2          | _____               | _____ |
| Area 3          | _____               | _____ |
| Science         | Sci 201 recommended | _____ |

Also recommended: course work in History, Geography, Economics, and Political Science

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Last Updated 5/22/08

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## Degree Requirements

2.0 GPA in the degree requirements must be maintained to remain in the major.

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| Course                                    | Semester | Grade | Credit Hours | Quality Points |
|---|----------|-------|--------------|----------------|
| Mth 113 (PI) Calculus I                   | _____    | _____ | 4            | _____          |
| Mth 114 (PII) Calculus II                 | _____    | _____ | 4            | _____          |
| Mth 201 Intro. to Mathematical Structures | _____    | _____ | 3            | _____          |
| Mth 215 Exploring Math                    | _____    | _____ | 3            | _____          |
| Mth 304 Mathematical Statistics           | _____    | _____ | 3            | _____          |
| Mth 309 History of Mathematics            | _____    | _____ | 3            | _____          |
| Mth 312 Linear Algebra                    | _____    | _____ | 3            | _____          |
| Mth 399 Laboratory in Prob. Solving.      | _____    | _____ | 1            | _____          |
| Mth 415 Number Theory                     | _____    | _____ | 3            | _____          |
| Mth 417 Foundations of Geometry           | _____    | _____ | 3            | _____          |
| 2 Upper Division Electives                |          |       |              |                |
| _____                                     | _____    | _____ | 3            | _____          |
| _____                                     | _____    | _____ | 3            | _____          |
| Mth 499 Comprehensive Examination         | _____    | _____ |              |                |
| Cis 141 or Cis 244 or CIS 260             | _____    | _____ | 3            | _____          |
| PI Science (Bio 111 recommended)          | _____    | _____ | 3            | _____          |
| Science lab (Bio 110L recommended)        | _____    | _____ | 1            | _____          |
| PII Science (Sci 201 recommended)         | _____    | _____ | 3            | _____          |

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## Education Requirements

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| <b>Course</b> | <b>Title</b>   | <b>Semester</b> | <b>Credits</b> |
|---------------|--|-----------------|----------------|
| Edu 090       | Orientation to the Personal Electronic Portfolio       | _____           | 0              |
| Edu 204       | History and Philosophy of Education                    | _____           | 3              |
| Incl 355      | Intro. to Literacy and Diff. Learning                  | _____           | 3              |
| Incl 360      | Inclusive Practices                                    | _____           | 3              |
| Incl 370      | Learning Theory (taken with Incl 355)                  | _____           | 3              |
| Incl 372      | Developmentally Appropriate Literacy                   | _____           | 3              |
| Incl 440      | Differentiated Literacy Learning (Middle School)       | _____           | 3              |
| Incl 441      | Field work in Middle Childhood                         | _____           | 3              |
| Incl 455      | Classroom Management, Assessment and Collab. Practices | _____           | 3              |
| Incl 460      | Integrating the Arts & Technology                      | _____           | 3              |
| Incl 464      | Reflective Seminar                                     | _____           | 3              |
| Incl 466      | Student Teaching                                       | _____           | 6              |
| Incl 474      | Issues in Inclusive Education                          | _____           | 3              |
| Edu 475       | Health Education workshop                              | _____           | 0              |