**STATE OF ALABAMA DEPARTMENT OF EDUCATION**
**TEACHER EDUCATION AND CERTIFICATION**

(Required Certification Sequence for UABTeach Program for Mathematics Majors in Mathematical Reasoning Track)

Program: **MIDDLE SCHOOL MATHEMATICS**

*This certification requires a minimum of 120-hours for a degree in mathematics including 18 hours of UABTeach courses.*

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**CLASS B EDUCATION PROGRAM CHECKLIST**

**Institution:** UNIVERSITY OF ALABAMA AT BIRMINGHAM

**Date Approved:** 7/2/2014  
**Date Expires:** 5/31/2021

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### General Studies
Shall include courses and/or experiences in written composition, humanities, social studies, mathematics, and science.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH 101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>EH 102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Literature</td>
<td>(See CAS Core Curriculum List)</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/Fine Arts</td>
<td>(See CAS Core Curriculum List)</td>
<td>3</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>(See CAS Core Curriculum List)</td>
<td>3</td>
</tr>
</tbody>
</table>

### Humanities:
History (See CAS Core Curriculum list) 3-6  
Non-History Social Science (See CAS Core Curriculum list) 3  
Any Course in Area IV (See CAS Core Curriculum list) 3-6

### Social Science:
*History (see CAS Core Curriculum List) 3-6  
Non-History Social Science (see CAS Core Curriculum List) 6-9

### Science:
Natural Sciences (lab required with each course)  
(See CAS Core Curriculum List) 8

### Mathematics:
MA 125 Calculus I or MA 225 Calculus I Honors 4

### Other:
PHL or HY 275 Perspectives on Science and Mathematics 3

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### Professional Studies

**These courses must be taken prior to admission to TEP.**
- EHS 125 Step 1: Inquiry Approaches to Teaching 1
- EHS 126 Step 2: Inquiry Based Lesson Design 1
- EHS 325 Knowing and Learning in Science and Mathematics 3

**These courses require admission to TEP before they can be taken.**
- EHS 326 Classroom Interactions 3
- EHS 327 Project-Based Instruction 3

### Internship:
Students must take EHS 425 and EHS 426 in the same term.
- EHS 425 Apprentice Teaching 6
- EHS 426 Apprentice Teaching Seminar 1

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### Teaching Field
Must include an academic major of at least 32 semester hours with a minimum of 19 hours in the upper division. (List all courses required for the teaching field.)

See Attached Requirements

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Dean of Education: [Signature]

Date: 7-15-15

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*SPECIAL NOTES:*
To be eligible for Class B certification in mathematics, candidates will need to complete all courses on this checklist, met Teacher Education Program requirements for certification, AND complete all degree requirements for Mathematics.

Prospective and admitted students should NOT begin any coursework without seeking advisement from the Office of Student Services (call: 205-934-7530) each term. Students who ignore this admonition assume responsibility for their own mistakes.
Class B Middle School Mathematics Education Program Checklist – Teaching Field Courses

Teaching Field Courses

**Lower Division**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 125</td>
<td>Calculus I or MA 225 Calculus I – Honors</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>At least two courses selected from the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MA 106 Pre-Calculus Trig or MA 107 Pre-Calculus Algebra and Trig</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>MA 110 Finite Mathematics or *MA 418 Statistics for Teachers</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MA 126 Calculus II or MA 226 Calculus II – Honors</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Lower Division** 10-15

**Upper Division**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 313</td>
<td>Patterns, Functions, and Algebraic Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>MA 314</td>
<td>Geometric and Proportional Reasoning or *MA 472 Geometry I</td>
<td>3</td>
</tr>
<tr>
<td>MA 361</td>
<td>Mathematical Modeling</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>At least 13 hours of additional courses at the 300- and 400-level satisfying the requirements of the Mathematical Reasoning Track in the Mathematics Major.</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Courses selected must have the MA course prefix.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MA 418 and MA 472 may be taken as part of the 13 hours if not taken above*.</td>
<td></td>
</tr>
</tbody>
</table>

**Total Upper Division** 22

**GRAND TOTAL** 32-37