



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

Program: **MIDDLE SCHOOL
MATHEMATICS**

11/4/19

Total Hours: *

*This certification requires a minimum of 120-hours for degree including 21 hours of UABTeach courses.

CLASS B EDUCATION PROGRAM CHECKLIST

Institution: UNIVERSITY OF ALABAMA AT BIRMINGHAM

Date Approved: 7/18/2014

Date Expires: 5/31/2021

Revisions:

6/22/2017 6/17/2018 2/13/2020

General Studies

*Refer to the UAB Catalog for Core Curriculum requirements

EH 101 English Composition I 3
EH 102 English Composition II 3

Humanities:(12 Hours)

Literature 3-6
Humanities 3-6
Fine Arts 3

Mathematics: (4 hours)

MA 125 Calculus I or 4

Science: (8 Hours)

Natural Sciences (lab required with each course)
(See Core Curriculum List) 8

Social Science: (12 Hours)

History 3-6
Non-History Social Science 3-9

Other: (3 Hours)

PHL 270 Science, Knowledge, and Reality
OR
HY 275 Perspectives on Science and Mathematics 3

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 UABTeach Academic Coach (drparker@uab.edu) each term. Students who ignore this admonition assume responsibility for their own mistakes.

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 Approaches to Teaching 1
EHS 325 Knowing and Learning in Science and Mathematics 3
EMS 326 Classroom Interactions 3

These courses require admission to TEP before they can be taken.

EMS 327 Problem-Based Instruction 3

Internship:

Students must take EHS 425 and EHS 426 in the same term.

EMS 425 Apprentice Teaching 6
EMS 426 Apprentice Teaching Seminar 1

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

Dean of Education: Scott Lopez

Date: 11/14/19



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Mathematical Reasoning Track)**

Class B Mathematics Education Program Checklist – Teaching Field Courses

Lower Division

MA 125 Calculus I or MA 225 Calculus I Honors 4

At least two courses selected from the following:

MA 106 Pre-Calculus Trig or MA 107 Pre-Calculus Algebra and Trig

MA 110 Finite Mathematics or *MA 418 Stats for Teachers

MA 126 Calculus II or MA 226 Calculus II Honors 6-8

10-12 Hours

Upper Division

MA 313 Patterns, Functions, and Algebraic Reasoning 3

MA 314 Geometric and Proportional Reasoning or * MA 472 Geometry I 3

At least 16 hours of additional courses at the 300 and 400 level satisfying

the requirements of the Mathematical Reasoning Track in the

Mathematics Major. Courses selected must have the MA course prefix. 13

MA 418 and MA 472 may be taken as part of the 13 hours if not taken above

22 Hours