STATE OF ALABAMA DEPARTMENT OF EDUCATION
TEACHER EDUCATION AND CERTIFICATION

ALSBE

Approved EPP
Initials: _____
Approved: _____
Expired: _____
Revised: _____

(Required certification sequence for UABTeach Program for Computer Information Sciences Majors)

Program: _____ **MATHEMATICS (6-12)**

Total Hours: * _____

This certification requires a minimum of 120-hours for degree including 21 hours of UAB Teach courses.

CLASS B EDUCATION PROGRAM CHECKLIST

Institution: **UNIVERSITY OF ALABAMA AT BIRMINGHAM**

Date Approved: 06/09/2022
Date Expires: 06/30/2028
Revisions: _____

General Studies

Shall include courses and/or experiences in the humanities, social studies, mathematics, and science.

Humanities:

EH 101 English Composition I	3
EH 102 English Composition II	3
Literature (See AGSC List)	3-6
Humanities/Fine Arts (See AGSC List)	3-6
Fine Arts (See AGSC List)	3

Social Science:

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

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

Mathematics:
MA 125 Calculus I 4

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

To be eligible for Class B certification in mathematics, candidates will need to complete all courses on this checklist, meet Teacher Education Program requirements for Mathematics, AND complete ALL degree requirements for Computer Information Sciences.

Prospective and admitted students should NOT begin any coursework without seeking advisement from the UABTeach Advisor/Academic Coach 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
EHS 326 Classroom Interactions	3

These courses require admission to TEP before they can be taken.
EHS 327 Problem-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

Teaching Field

Must include at least 30 semester hours in the teaching field with a minimum of 18 hours at the upper division level. (List all courses required for the teaching field.)

See attached requirements on page 2.

Dean of Education: *Michelle Robinson*

Date: 10/13/2022

(Required certification sequence for UABTeach Program for Computer Information Sciences Majors)

Class B Mathematics (6-12) Program Checklist: 30 /18 Teaching Field Analysis

Lower Division

MA 125 Calculus I	4
MA 126 Calculus II	4
CS 250 Discrete Structures	3
CS 203 Object-Oriented Programming	4
	15 Hours

Upper Division

CS 303 Algorithms and Data Structures	4
CS 355 Probability and Statistics in Computer Sciences	3
MA 360 Scientific Programming **OR** CS 380 Scientific Computing	3
MA 434 Algebra I: Linear	3
At least six (6) hours of additional courses from the following:	6

    CS 350 Automata and Formal Languages

    MA 440 Advanced Calculus I

    MA 444 Vector Analysis

    MA 445 Complex Analysis

    MA 463 Operations Research I

    MA 470 Differential Geometry I

    MA 472 Geometry I

    MA 485 Probability

19 Hours