

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



(Required certification sequence for UABTeach Program for Electrical Engineering Majors)

Program:

**MATHEMATICS (6-12)** 

\*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: Date Expires: Revisions:

History  Non-History Social Science  Science:  BY 123 Introductory Biology I and Lab  BY 124 Introductory Biology II and Lab  Mathematics:  MA 106 Pre-Calculus Algebra or above  MA 106 Pre-Calculus Algebra or above  Other:  PHL 270 Science, Knowledge, and Reality  Interistip:  Students must take EHS 425 and EHS 426 in the same term  EHS 425 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.		T'
Shall include courses and/or experiences in the humanities, social studies, mathematics, and science.  Humanities:  Humanities:  Hill English Composition I	Conoral Studios	Professional Studies
These courses must be taken prior to admission to TEP.  Humanities:  EH 101 English Composition I  EH 102 English Composition II  3 A EH 102 English Composition II  3 A EH 102 English Composition II  3 A EH 103 English Composition II  3 EHS 325 Knowing and Learning in Science and Mathematics 3  EHS 326 Classroom Interactions  3 EHS 326 Classroom Interactions  3 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  I 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: Wichelle Robinson.  Date: 10/13/2022  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		r Totessional Studies
Humanities: EH 101 English Composition I		These courses must be taken prior to admission to TED
Humanities:  EH 101 English Composition I  EH 102 English Composition II  3 Literature (See AGSC List)  3-6 Humanities/Fine Arts (See AGSC List)  5-6 Flue Arts (See AGSC List)  3-6 Flue Arts (See AGSC List)  3-6 Flue Arts (See AGSC List)  3-7 Social Science:  History  3-6 Non-History Social Science  3-9 Non-History Social Science  BY 123 Introductory Biology I and Lab  4-8 BY 124 Introductory Biology II and Lab  4-8 BY 124 Introductory Biology II and Lab  4-8 BY 124 Introductory Biology II and Lab  4-8 BY 127 Science, Knowledge, and Reality  Other:  PHL 270 Science, Knowledge, and Reality  OR  HY 275 Perspectives on Science and Mathematics  candidates will need to complete all courses on this for Mathematics, AND complete ALL degree requirements for Mathematics, AND complete ALL degree requirements for Electrical Engineering.  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	social studies, mathematics, and science.	
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(Required certification sequence for UABTeach Program for Electrical Engineering Majors)

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

Lower Division Courses	
MA 126 Calculus II and MA 252 Differential Equations OR	
EGR 265 Math Tools for Engineers and EE 254 Applied Numerical Methods	7
EE 210 Digital Logic	3
EE 233 Engineering Programming Methods	3
	13 Hours
Upper Division Courses	
MA 361 Functions and Modeling	3
EE 300 Engineering Problem Solving	3
EE 333 Engineering Programming using Objects	3
EE 421 Communication Systems	3
EE 314 Electrical Circuits <u>OR</u> EE 318 Methods of Systems Analysis <u>OR</u> EE 426 Control Systems	3
EE 316 Electrical Networks and Lab <u>OR</u> EE 337 Introduction to Microprocessors <u>OR</u> EE 351 Electronics <b>OR</b>	
EE 361 Machinery	4

19 Hours