

STATE OF ALABAMA DEPARTMENT OF EDUCATION TEACHER EDUCATION AND CERTIFICATION



(Required certification sequence for UABTeach Program for Chemistry Majors/Chemical Education Track Majors)

Program:

CHEMISTRY OR GENERAL SCIENCE (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: Date Expires: Revisions: 06/09/2028

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:
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
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: 3 History 3-6 Non-History Social Science 3-9
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Social Science: History 3-6 Non-History Social Science 3-9
History 3-6 Non-History Social Science 3-9
History 3-6 Non-History Social Science 3-9
Non-History Social Science 3-9
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Science:
Science:
BY 123 Introductory Biology I with Lab 4
CH 115/116 Chemistry I with Lab 4
CH 115/116 Chemistry I with Lab 4 CH 117/118 Chemistry II with Lab 4 PH 221 General Physics I and Lab 4 PH 222 General Physics II and Lab 4
PH 221 General Physics I and Lab 4
PH 222 General Physics II and Lab 4
Mathematics:
<u>MA 105/110 or above</u> 3-4
0.1
Other:
PHL 270 OR HY 275 3

To be eligible for Class B certification in chemistry or general science, candidates will need to complete all courses on this checklist*, meet Teacher Education Program requirements for chemistry or general science, <u>AND complete ALL degree requirements for Chemistry-Chemical education track</u>.

*For candidates <u>pursuing general science</u> certification, completion of courses in biology, chemistry, Earth and space sciences, and physics is required.

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.

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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

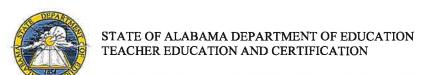
Teaching Field

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: Michalla Robinson

Date: 10/13/2022



(Required certification sequence for UABTeach Program for Chemistry Majors/Chemical Education Track Majors)

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

Lower Division	
CH 115/116 General Chemistry I and lab	4
CH 117/118 General Chemistry II and lab	4
CH 235 Organic Chemistry I and CH 236 Organic Chemistry I Lab <u>OR</u> CH 237 Organic Chemistry II and CH 238 Organic Chemistry II Lab	4 12 Hours
Upper Division	
CH 345 Inorganic Chemistry: Principles and Applications of Chemical Periodicity w/Lab	4
CH 355 Quantitative Analysis Techniques with Lab	4
CH 460 Fundamentals of Biochemistry	3
CH 498 Chemistry Teaching Methods	3
CH 493 Chemistry in Culture & Ethics OR CH 495 Ethics in Chemical Research AND Chemistry Research Methods OR Chemistry Capstone	3-4
At least three (3) hours of approved Chemistry Electives at the 300 or 400 level	3
	21-22 Hours

FOR GENERAL SCIENCE CERTIFICATION (If not included on major checklist)

One Course and Lab Sequence from the Following:

BY 123 Introductory Biology I and Lab

BY 124 Introductory Biology II and Lab

One Course and Lab Sequence from the Following:

CH 115/116 General Chemistry I and Lab

CH 117/118 General Chemistry II and Lab

One Course and Lab Sequence from the Following:

PH 202 College Physics and Lab

PH 221 General Physics I and Lab

- PH 222 General Physics II and Lab

One Course and Lab Sequence from the Following:

AST 101/111 Astronomy of the Universe and Lab

AST 102/112 Astronomy of Stellar Systems and Lab

ES 101/102 Physical Geology and Lab

ES 103/104 History of the Earth and Lab