



STATE OF ALABAMA DEPARTMENT OF EDUCATION
TEACHER EDUCATION AND CERTIFICATION

ALSBE
Approved EPP: _____
Initials: ASB Expired: _____
Revised: _____

(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: 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:

BY 123 Introductory Biology 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

Mathematics:

MA 105/110 or above	3-4
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Other:

PHL 270 OR HY 275	3
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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, AND complete ALL degree requirements for Chemistry-Chemical education track.

***For candidates pursuing general science 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.

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
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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



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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 OR CH 237 Organic Chemistry II and CH 238 Organic Chemistry II Lab	4
	<u>12 Hours</u>

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
	<u>21-22 Hours</u>

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