



(Required certification sequence for UABTeach Program for Chemistry 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:**

CH 115/CH 116 General Chemistry I & Lab	4
CH 117/CH 118 General Chemistry II & Lab	4

**Mathematics:**

MA 105/110 or above	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.

\*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



STATE OF ALABAMA DEPARTMENT OF EDUCATION  
TEACHER EDUCATION AND CERTIFICATION

(Required certification sequence for UABTeach Program for Chemistry Majors)

## Class B Chemistry (6-12) Program Checklist: 30 /18 Teaching Field 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 <b>OR</b> 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 with Lab	4
CH 460 Fundamentals of Biochemistry	3
CH 493 Chemistry in Culture & Ethics	
<b>OR</b> CH 495 Ethics in Chemical Research <b>AND</b> Chemistry Research Methods OR Chemistry Capstone	3-4
At least six (6) hours of approved Chemistry Electives at the 300 or 400 level	6

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