



(Required Certification Sequence for UABTeach Program for Chemistry Majors/Chemical Education Track)

Program: **CHEMISTRY or
GENERAL SCIENCE**

11/4/19

Total Hours: *

*This certification requires a minimum of 120-hours for degree including 21 hours of UABTeach courses.

CLASS B EDUCATION PROGRAM CHECKLIST

Institution: UNIVERSITY OF ALABAMA AT BIRMINGHAM

Date Approved: 7/8/2014
Date Expires: 5/31/2021

Revisions: 6/22/2017 4/17/2018 2/13/2020

General Studies

*Refer to the UAB Catalog for Core Curriculum requirements

EH 101 English Composition I 3
EH 102 English Composition II 3

Humanities: (12 Hours)

Literature 3-6
Humanities 3-6
Fine Arts 3

Mathematics: (4 Hours)

MA 105/110 or above 4

Science: (8 Hours)

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

Social Science: (12 Hours)

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

Other: (3 Hours)

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

SPECIAL NOTES:

To be eligible for Class B certification in Chemistry, candidates will need to complete all courses on this checklist, meet Teacher Education Program requirements for certification, 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 Academic Coach (drparker@uab.edu) 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 an academic major of at least 32 semester hours with a minimum of 19 hours in the upper division. (List all courses required for the teaching field.)

See Attached Requirements

Dean of Education: [Signature]

Date: 11/19/19



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Class B Chemistry Education Program Checklist Teaching Field Courses

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 OR	
CH 236 Organic Chemistry I Lab OR	
CH 237 Organic Chemistry II OR	
CH 238 Organic Chemistry II Lab	1-3

9-11 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 492 Research Methods	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

23-24 Hours