**STATE OF ALABAMA DEPARTMENT OF EDUCATION**

**TEACHER EDUCATION AND CERTIFICATION**

(Required Certification Sequence for UABTeach Program for Chemistry Majors)

**Program:** CHEMISTRY or GENERAL SCIENCE

**Date Approved:** 3/27/17

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**Institution:** UNIVERSITY OF ALABAMA AT BIRMINGHAM

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### General Studies

- **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

### 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 Project-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

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### 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

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**Dean of Education:**

**Date:** 05/05/17
(Required Certification Sequence for UABTeach Program for Chemistry Majors)

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 with Lab 4
CH 460 Fundamentals of Biochemistry 3
CH 492 Research Methods 3
CH 493 Chemistry in Culture & Ethics OR
CH 495 Ethics in Chemical Research AND
CH 497 Undergraduate Research 3-4
At least six (6) hours of approved Chemistry Electives at the 300 or 400 level 6

23-24 Hours