



(Required Certification Sequence for UABTeach Program for Biology Majors)

Program: **BIOLOGY 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: 7/9/2014

Date Expires: 5/31/2021

Revisions: _____

6/22/17 6/17/18 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: (3 Hours)

MA 106 Pre-Calculus Algebra or above 3

Science: (8 Hours)

BY 123 Introductory Biology I and Lab 4
BY 124 Introductory Biology II and 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 Biology, candidates will need to complete all courses on this checklist, met Teacher Education Program requirements for certification, AND complete all degree requirements for **Biology**.

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: 11/14/19



Class B Biology Program Checklist: 32/19 Teaching Field Analysis

Lower Division Courses

BY 123 Introductory Biology I w/ Lab	4
BY 124 Introductory Biology II w/ Lab	4
BY 210 Genetics	3

Organismal (One Course)

BY 255 Invertebrate Zoology (4 Hours)	4
BY 256 Vertebrate Zoology (4 Hours)	
BY 271 Biology Microorganisms & Lab (4 Hours)	

15 Hours

Upper Division Courses

Cellular/Molecular (One Course)	3
BY 311 Molecular Genetics (3 Hours)	
BY 330 Cell Biology	

Physiology/Development (One Course)	3-4
BY 314 Embryology (3 Hours)	
BY 409 Principles of Human Physiology & Lab (4 Hours)	
BY 410 Comparative Animal Physiology (3 Hours)	
BY 450 Plant Physiology (4 Hours)	

Ecology/Evolution (One Course)	3-4
BY 429 Intro to Evolutionary Process (3 Hours)	
BY 435 Natural History of Vertebrates & Lab (4 Hours)	
BY 470 Ecology (3 Hours)	

Other	
Biology Research Methods OR Biology Capstone	3

At least seven (7) hours of approved Biology Electives at the 300 or 400 level	7
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19-21 Hours