



(Required certification sequence for UABTeach Program for Neuroscience Majors)

Program: **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 115/116 Chemistry I with Lab	4
BY 123 Introductory Biology with Lab	4
PH 201 College Physics I and Lab OR	
PH 221 General Physics I and Lab	4

Mathematics:

MA 125 Calculus I	4
-------------------	---

Other:

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

To be eligible for Class B certification in general science, candidates will need to complete all courses on this checklist*, meet Teacher Education Program requirements for general science, AND complete ALL degree requirements for Neuroscience.

***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
-----------------------------------	---

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 Neuroscience Majors)

Class B General Science (6-12) Program Checklist: 30/18 Teaching Field Analysis

Lower Division Courses

BY 123 Introductory Biology I OR BY 124 Introductory Biology II	4
CH 115/116 General Chemistry I with Lab OR CH 117/118 General Chemistry II with Lab	4
AST 101/111 Astronomy of the Universe with Lab OR AST 102/112 Astronomy of Stellar Systems with Lab OR ES 101/102 Physical Geology with Lab OR ES 103/104 History of the Earth with Lab	4
	<u>12 hours</u>

Upper Division Courses

NBL 355/PY 355 Synaptic Transmission (Neurobiology II)	3
NBL 356 Sensation, Movement, Cognition (Neurobiology III)	3
NBL 398 Research Practicum (1) AND NBL 399 Senior Thesis Project (3)	4
NBL 401 Neuroscience Colloquium	2
Neuroscience Research Methods OR Neuroscience Capstone	3
Two (2) courses from the following: NBL 410 Special Topics in Neuroscience NBL 425 Methods in Human Neuroimaging NBL 433 Diseases of the Nervous System NBL 434 Mechanisms of Memory PY 431 Dynamics of Pain PY 434 Mechanisms of Memory PY 463 Cognitive Neuroscience PY 468 Cognitive Neuroimaging PY 472 Social Psychophysiology	6
	<u>21 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