



(Required Certification Sequence for UABTeach Program for Neuroscience Majors)

Program: **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:

1/27/2017 6/17/2018 2/27/2020

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 125 Calculus I 4

Science: (Choose 8 Hours from the following)

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

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 General Science, candidates will need to complete all courses on this checklist, met Teacher Education Program requirements for certification, AND complete all degree requirements for Neuroscience.

General Science certification requires candidates to complete courses in biology, chemistry, Earth and space sciences, and physics.

Prospective and admitted students should NOT begin any coursework without seeking advisement from the UABTeach Academic Coach each term (drparker@uab.edu). 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: Scott Saylor

Date: 11/14/19



(Required Certification Sequence for UABTeach Program for Neuroscience Majors)
Class B General Science Education Program Checklist
Teaching Field Courses

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 Discases 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>