(Required certification sequence for UABTeach Program for Biomedical Science Majors)

Program: **BIOLOGY or GENERAL SCIENCE (6-12)**

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

### CLASS B EDUCATION PROGRAM CHECKLIST

<table>
<thead>
<tr>
<th>General Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shall include courses and/or experiences in the humanities, social studies, mathematics, and science.</td>
</tr>
<tr>
<td>Humanities:</td>
</tr>
<tr>
<td>EH 101 English Composition I</td>
</tr>
<tr>
<td>EH 102 English Composition II</td>
</tr>
<tr>
<td>Literature (See AGSC List)</td>
</tr>
<tr>
<td>Humanities/Fine Arts (See AGSC List)</td>
</tr>
<tr>
<td>Fine Arts (See AGSC List)</td>
</tr>
<tr>
<td>Social Science:</td>
</tr>
<tr>
<td>History</td>
</tr>
<tr>
<td>Non-History Social Science</td>
</tr>
<tr>
<td>Science:</td>
</tr>
<tr>
<td>CH 115/116 General Chemistry I &amp; Lab</td>
</tr>
<tr>
<td>CH 117/118 General Chemistry II &amp; Lab</td>
</tr>
<tr>
<td>Mathematics:</td>
</tr>
<tr>
<td>MA 106 Pre-Calculus Algebra</td>
</tr>
<tr>
<td>Other:</td>
</tr>
<tr>
<td>PHL 270 OR HYS 275</td>
</tr>
</tbody>
</table>

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

*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 1: 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: 

Date: 10/13/2022

---

Institution: UNIVERSITY OF ALABAMA AT BIRMINGHAM

Date Approved: 04/09/2022

Date Expires: 06/30/2022

Revisions:
### Class B Biology (6-12) Program Checklist: 30 /18 Teaching Field Analysis

#### Lower Level
- BMD 201 Contemporary Issues in Biomedical Sciences 1
- BMD 202 Survey of Biomedical Sciences Literature 1

**2 Hours**

#### Upper Level
- BMD 310 Clinical Anatomy and Histology 4
- BMD 315 Physiology and Pharmacology I 4
- BMD 317 Physiology and Pharmacology II 4
- BMD 420 Pathophysiology 4

Biomedical Sciences Research Methods OR Biomedical Sciences Capstone 3

At least eleven (11) hours of approved BMD Electives at the 300 or 400 level 11

**30 Hours**

---

**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