

University of Alabama in Huntsville

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Undergraduate Program Checklists

College of Education

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6-11-2020

## Education B.S. - Secondary Physics (6-12)

University of Alabama in Huntsville

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Program: Education B.S. – Secondary Physics (6-12)  
Total Hours 133-136

**CLASS B EDUCATION PROGRAM CHECKLIST**

Institution: The University of Alabama in Huntsville

Date Approved: 6/11/2020  
Date Expires: 6/30/2023  
Revisions: \_\_\_\_\_

**General Studies**

Shall include courses and /or experiences in the humanities (including English language arts), social studies, mathematics, and science.

**Humanities:** (Shall include at least 12 hours of English Language Arts for Early Childhood, Elementary, and Special Education programs.)

EH 101 and 102 or EH 103 or EH 105	3-6
Fine Arts	3
Humanities (literature)*	3-6
Humanities (non-literature)	3
CM 113 (Public Speaking)	3

**Social Studies:** (Shall include at least 12 hours for Early Childhood, Elementary, and Special Education programs.)

HY Courses*	3-6
Social & Behavioral Science (non-history)	3
PY 101	3
PY 201	3
*Must take either EH literature sequence OR HY sequence.	

**Science:** (Shall include at least 12 hours for Early Childhood, Elementary, and Special Education programs.)

CH 121/125	4
CH 123/126	4

**Mathematics:** (Shall include at least 12 hours for Early Childhood, Elementary, and Special Education programs.)

MA 171: Calculus A	4
MA 172: Calculus B	4
MA 201: Calculus C	4

**Other:**

BYS 119	4
MA 238 OR MA 244	3
ESS 103	4

**Professional Studies**

ED 301: Introduction to Education	0
EDC 301: Exceptional Children	3
ED 307: Mult. Foundations of Education	3
ED 308: Educational Psychology	3
ED 350: Technology in the Classroom	3
ED 309: Classroom Management	3
EDC 311: Instructional Strategies	3
ED 408: Content Area Reading	3
ED 410: Fnd. Of Educational Evaluation	3
ED 423: Tchng Science in Middle and Sec. I	2
ED 433: Tchng Science in Middle and Sec. II	2

**Internship:** ED 497: Middle and High School Internship 12

**Teaching Field\***

Most teaching fields require an academic major as defined in Rule 290-3-3-.01(2). List all courses required for the teaching field.

PH 110: Frontiers in Science	3
PH 111/114: Gen Physics I w/ Cal Lab	4
PH 112/115: Gen Physics II w/Cal Lab	4
PH 113/116: Gen Physics III w/Cal Lab	4
PH 251: Special Relativity	1
PH 301: Intermediate Mechanics	3
PH 305: Math Methods in Physics	3
PH 351: Introduction to Modern Physics	3
PH 499: Physics Practicum	3
PH Electives (300+ Level)*	7
*(Select from PH, OPT, AST)	

\*English Language Arts shall include courses in literature, grammar, reading skills, writing, speech, drama/theatre, and print or broadcast journalism. General Social Studies shall include courses in economics, geography, history, and political science. General Science shall include courses in biology, chemistry, Earth and space sciences, and physics.

Dean of Education: Beth N. Quick

Date 6/8/2020