BACHELOR OF SCIENCE IN EDUCATION DEGREE IN SECONDARY EDUCATION - PHYSICS

This program is closing and will no longer accept students as of August 1, 2025. A teach-out plan pending SACSCOC approval is in place for any currently enrolled students so that they may complete this program

Additional Graduation Requirements (https://catalog.una.edu/undergraduate/academic-procedures-requirements/graduation-requirements/)

Code	Title	Hours
General Education Component: Physics		
Area I (Written Composition)		6
EN 111	First-Year Composition I	
EN 112	First Year Composition II	
Area II (Humanities and Fine Arts)		12
Two literature courses in sequence (EN 211/EN 212, EN 221/EN 222, EN 231/EN 232) or one literature course and one additional humanities elective		
One Humanities or Fine Arts Elective		
COM 201	Fundamentals of Speech	
Area III (Natural Sciences and Mathematics)		14
PH 252	Technical Physics II	5
PH 251	Technical Physics I	5
MA 125	Calculus I	4
Area IV (History, Social and Behavioral Sciences)		12
ED 299	Human Growth and Development [1]	
Area V (https://www.una.edu/areav/)		11
MA 126	Calculus II	
MA 227	Calculus III	
MA 238	Applied Differential Equations I	
Professional Education Secondary: Physics (Grades 6-12)		
Note: ASBI/FBI background clearance is a prerequisite for all Professional Education Courses.		
ED 292	Preprofessional Seminar and Laboratory Experience	1
ED 381	Instructional Technology for the High School	3
ED 375	Content Literacy	3
EEX 340	Introduction to Students with Exceptional Learning Needs	3
SCED 480		
ED 333W	Learning Theories and Student Development	3
ED 382	Classroom Management for Diverse Learning Environments and Communities	3
ED 401	Evaluation of Teaching and Learning	3
ED 477	Curriculum and Teaching	4
ED 482	High School Student Internship	12
Alabama State Board of Education Approved Teaching Field: Physics		
PH 343	Modern Physics	4
PH 356W	Intermediate Laboratory	4
PH 447	Electricity and Magnetism	3
PH 471	Classical Dynamics	3
PH 495	Directed Research	3
PH 498	Senior Assessment Seminar	1
12 hours of 300-400 level physics electives		12
Total Hours		**123**

[1] The CLEP examination may be taken for this course

Notes:

- Candidates may take the following professional education courses prior to admission to TEP: Preprofessional Seminar and Laboratory Experience (ED 292), Content Literacy (ED 375), Instructional Technology for the High School (ED 381), Introduction to Students with Exceptional Learning Needs (EEX 340), and a content methods course.
- Courses that are taken to fulfill general education requirements which are also included in a teaching field may count in both areas.
- Candidates who plan to seek certification in another state should contact the State Department of Education in that state to find out whether or not a comparable certificate exists in that state.
- All requirements must be completed with a minimum of 120 credit hours.