

PHYSICS EDUCATION 6-12 (B.ED.) - ONLINE

Important: This degree plan is effective for those starting this degree program in fall 2023 through summer 2024. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

After completion of the required program coursework (including student teaching) and the passing of licensure tests, the graduate of this program would be eligible for a VA state teaching license.

General Education/Foundational Skills Requirements

Code	Title	Hours
Communication & Information Literacy ¹		
COMS 101	Speech Communication	3
ENGL 101	Composition and Rhetoric	3
HIUS 221	Survey of American History I	3
	Information Literacy Elective	3
Technological Solutions & Quantitative Reasoning ¹		
UNIV 104	Instructional Technology for Successful Online Learning	0-3
	MATH Elective	3
Critical Thinking		
ENGL 201	American Literature I	3
RLGN 104	Christian Life and Biblical Worldview ²	4
Civic & Global Engagement		
CSTU 101	Western Culture	3
Social & Scientific Inquiry ¹		
PSYC 210	Developmental Psychology	3
	Natural Science Elective	3
Christianity & Contexts		
BIBL 104	Survey of Old and New Testament	4
THEO 104	Introduction to Theology Survey ²	4
Total Hours		39-42

¹ Refer to the list of approved general education electives before enrolling in foundational skills requirements

² Students transferring in 45 or more UG credit hours will have the requirement of RLGN 104 Christian Life and Biblical Worldview (4 c.h.) waived; Students transferring in 60 or more UG credit hours will also have the requirement of THEO 104 Introduction to Theology Survey (4 c.h.) waived

Major Requirements

Code	Title	Hours
Major Foundational Courses		
ENGL 102	Composition and Literature ¹	3
MATH 131	Calculus and Analytic Geometry I ¹	4
PHYS 231	University Physics I ¹	4
Total Hours		11

¹ Course may fulfill select general education requirements

Code	Title	Hours
Major Core ¹		
<i>Education Courses</i>		
EDSC 419	Teaching Science Content Methods for the Middle and Secondary School	3
EDUC 201	Introduction to Education and Classroom Technology	3
EDUC 221	Content Area Reading and Differentiated Teaching and Learning	3
EDUC 235	Content Instructional Design	3
EDUC 350	Behavior and Individual Differences	3
EDUC 360	Foundations of Education	3
EDUC 425	Content Measurement and Evaluation	3
EDUC 435	Content Curriculum Fundamentals	3
<i>Practicum and Gate Courses</i>		
EDGT 175	School of Education Gate 1 – UG Initial Licensure - Distance	0
EDGT 275	School of Education Gate 2 – UG Initial Licensure - Distance	0
EDGT 375	School of Education Gate 3 – UG Initial Licensure - Distance	0
EDUC 188	Practicum in Education I: Distance ²	0
EDUC 388	Practicum in Education III: Distance ²	0
EDSC 488	Science Lab Practicum in Schools ^{2,3}	0
<i>Secondary Courses</i>		
BIOL 101	Principles of Biology	3
CHEM 108	Chemistry for Health Science Professionals	4
MATH 132	Calculus and Analytic Geometry II	4
MATH 410	Matrix and Linear Algebra	3
PHYS 232	University Physics II	4
PHYS 305	Introduction to Modern Physics	3
PHYS 310	Numerical Methods Physics	3
PHYS 321	Mechanics	3
PHYS 331	Electricity and Magnetism	3
PHYS 432	Thermodynamics and Statistical Mechanics	3
PHYS 440	Wave Optics	4
<i>Student Teaching</i>		
EDST 475	The Reflective Educator: Resource Seminar	3
<i>Choose one of the following: ²</i>		
EDST 460	Student Teaching - One Placement – Distance	9
EDST 461	Student Teaching - One Placement – Local	
EDST 464	Student Teaching - Own Classroom – Distance	
EDST 465	Student Teaching - Own Classroom – Local	
EDST 466	Student Teaching - Multiple Endorsement - One Placement – Distance	
EDST 467	Student Teaching - Multiple Endorsement - One Placement – Local	
Total Hours		73

¹ Relevant 300-400 level PHYS courses require successful completion of MATH 430.

² Liberty University School of Education Background check is required for all practicums and student teaching.

³ EDSC 488 is a required practicum course that requires a background check; candidates should not plan to take this course in summer sessions.

Code	Title	Hours
Free Electives		
Choose 0-8 credit hours of Free Elective		0-8
Total Hours		0-8

Note:

- All practicum courses should be completed before student teaching, and candidate should not plan to take those courses in summer terms.

All applicable prerequisites must be met

Graduation Requirements

- **120** Total Hours
- **3.0** Overall grade point average
- **30** Hours must be upper-level courses (300-400 level)
- **Grade of 'C'** Minimum required for all upper-level courses in the major
- **25%** Of major taken through Liberty University
- **30** Hours must be completed through Liberty University
- **Grad App** Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date