

MIDDLE EDUCATION (B.ED.) - SCIENCE - ONLINE

Important: This degree plan is effective for those starting this degree program in fall 2025 through summer 2026. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

General Education/Foundational Skills Requirements

Code	Title	Hours
Communication & Information Literacy		
COMS 101	Speech Communication	3
ENGL 101	Composition and Rhetoric	3
ENGL 102	Composition and Literature	3
HIUS 221	Survey of American History I	3
Technological Solutions & Quantitative Reasoning		
MATH 117	Elements of Mathematics	3
UNIV 104	Instructional Technology for Successful Online Learning	0-3
Critical Thinking		
ENGL 201	American Literature I	3
RLGN 104	Christian Life and Biblical Worldview ¹	4
Civic & Global Engagement		
CSTU 101	Western Culture	3
Social & Scientific Inquiry		
PHYS 101	Elements of Physics	3
PSYC 210	Developmental Psychology	3
Christianity & Contexts		
BIBL 104	Survey of Old and New Testament	4
THEO 104	Introduction to Theology Survey ¹	4
Total Hours		39-42

¹ Students transferring in 45 or more UG credit hours will have the requirement of RLGN 104 waived; Students transferring in 60 or more UG credit hours will also have the requirement of THEO 104 waived

As a requirement for completion of this program, including student teaching and passing required licensure tests, the graduate of this program, regardless of state residency, must obtain a VA state teaching license. The VA teaching license may then be used for reciprocity in another state according to the regulations of that state.

Major Requirements

Code	Title	Hours
Major Foundational Courses		
BIOL 101	Principles of Biology	3
BIOL 103	Principles of Biology Laboratory	1
GEOG 200	Introduction to Geography	3
GOVT 200	Constitutional Government and Free Enterprise	3
HIEU 202	History of Western Civilization II	3
MATH 121	College Algebra	3

Code	Title	Hours
MATH 217	Elementary Geometry	3
PHSC 210	Elements of Earth Science	3
PHYS 103	Elements of Physics Lab	1
Total Hours		23

Code	Title	Hours
Major Core		
<i>Elementary Education Courses</i>		
EDUC 201	Introduction to Education and Classroom Technology	3
EDUC 225	Instructional Design for Elementary & Middle School Classrooms	3
EDUC 230	Foundations of Reading and Literacy	3
EDUC 315	Instructional Approaches to Literature for Children and Adolescents	3
EDUC 318	Teaching Reading to Diverse Learners	3
EDUC 319	Teaching Writing and Language Arts to Diverse Learners	3
EDUC 350	Behavior and Individual Differences	3
EDUC 360	Foundations of Education	3
EDUC 412	Middle School Curriculum and Instruction	3
EDUC 425	Content Measurement and Evaluation	3
HIUS 390	History of Virginia	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 ¹	0
EDUC 288	Practicum in Education II: Distance ¹	0
EDUC 488	Practicum in Middle Education: External ¹	0
<i>Professional Semester</i>		
EDST 475	The Reflective Educator: Resource Seminar	3
<i>Choose one of the following:</i> ^{1,2}		9
EDST 460	Student Teaching - One Placement – Distance	
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		45

¹ Liberty University School of Education Background check is required for all practicums and student teaching.

² This course should be taken in the final semester.

Code	Title	Hours
Cognate		
CHEM 105	Elements of General Chemistry	4

Code	Title	Hours
or CHEM 108	Chemistry for Health Science Professionals	
EDUC 322	Teaching Elementary and Middle School Social Science	3
or EDUC 323	Teaching Elementary and Middle School Mathematics	
EDUC 324	Teaching Elementary and Middle School Science	3
NASC 315	Environmental Science	3
or PHSC 311	Oceanography	
PHSC 121	Introduction to Astronomy	3
or PHSC 310	Astronomy: An Integrated Approach	
Total Hours		16

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

- **123** Total Hours
- **3.0** Overall grade point average
- **30.75** Hours must be upper-level courses (300-400 level)
- **Grade of 'C'** Minimum required for all courses in the major and cognate
- **25%** Of major taken through Liberty University
- **30.75** 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

Course Sequence

Course	Title	Hours
First Year		
First Semester		
COMS 101	Speech Communication	3
ENGL 101	Composition and Rhetoric	3
MATH 117	Elements of Mathematics	3
UNIV 104	Instructional Technology for Successful Online Learning	0-3
EDGT 175	School of Education Gate 1 – UG Initial Licensure - Distance	0
EDUC 201	Introduction to Education and Classroom Technology	3
Hours		12-15
Second Semester		
ENGL 102	Composition and Literature	3
MATH 217	Elementary Geometry	3
PHYS 101	Elements of Physics	3
PHYS 103	Elements of Physics Lab	1
RLGN 104	Christian Life and Biblical Worldview	4
EDGT 275	School of Education Gate 2 – UG Initial Licensure - Distance	0
EDUC 350	Behavior and Individual Differences	3
Hours		17

Course	Title	Hours
Second Year		
First Semester		
BIOL 101	Principles of Biology	3
BIOL 103	Principles of Biology Laboratory	1
CSTU 101	Western Culture	3
ENGL 201	American Literature I	3
EDUC 225	Instructional Design for Elementary & Middle School Classrooms	3
PSYC 210	Developmental Psychology	3
Hours		16
Second Semester		
GOVT 200	Constitutional Government and Free Enterprise	3
HIUS 221	Survey of American History I	3
PHSC 210	Elements of Earth Science	3
ECON 110	Survey of Economics	3
EDUC 315	Instructional Approaches to Literature for Children and Adolescents	3
Hours		15
Third Year		
First Semester		
GEOG 200	Introduction to Geography	3
HIEU 202	History of Western Civilization II	3
EDUC 188	Practicum in Education I: Distance ¹	0
EDUC 318	Teaching Reading to Diverse Learners	3
EDUC 319	Teaching Writing and Language Arts to Diverse Learners	3
NASC 315 or PHSC 210	Environmental Science or Elements of Earth Science	3-4
Hours		15-16
Second Semester		
HIUS 390	History of Virginia	3
THEO 104	Introduction to Theology Survey	4
CHEM 105 or CHEM 108	Elements of General Chemistry or Chemistry for Health Science Professionals	4
EDUC 288	Practicum in Education II: Distance ¹	0
EDUC 322 or EDUC 323	Teaching Elementary and Middle School Social Science or Teaching Elementary and Middle School Mathematics	3
EDUC 324	Teaching Elementary and Middle School Science	3
Hours		17
Fourth Year		
First Semester		
MATH 121	College Algebra	3
EDUC 360	Foundations of Education	3
EDGT 375	School of Education Gate 3 – UG Initial Licensure - Distance	0
EDUC 412	Middle School Curriculum and Instruction	3
EDUC 425	Content Measurement and Evaluation	3
EDUC 488	Practicum in Middle Education: External ¹	0

Course	Title	Hours
PHSC 121 or PHSC 310	Introduction to Astronomy or Astronomy: An Integrated Approach	3
Elective		1
Hours		16
Second Semester		
BIBL 104	Survey of Old and New Testament	4
EDST 475	The Reflective Educator: Resource Seminar	3
Student Teaching Option ^{1,2}		9
Hours		16
Total Hours		124-128

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² Choose one of the following Student Teaching options: EDST 460, 461, 464, 465, 466, or 467