

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

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.

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
INQR 101	Inquiry	1
Technological Solutions & Quantitative Reasoning ¹		
MATH 117	Elements of Mathematics	3
UNIV 101	Foundational Skills	1
Technology Competency ²		0-3
Critical Thinking		
ENGL 201	American Literature I	3
RLGN 105	Introduction to Biblical Worldview ³	2
RSCH 201	Research	3
Civic & Global Engagement		
CSTU 101	Western Culture	3
EVAN 101	Evangelism and the Christian Life ³	2
Social & Scientific Inquiry		
PHYS 101	Elements of Physics	3
PSYC 210	Developmental Psychology	3
Christianity & Contexts		
BIBL 105	Old Testament Survey	2
BIBL 110	New Testament Survey	2
THEO 201	Theology Survey I ³	2
THEO 202	Theology Survey II ³	2
Total Hours		44-47

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

² All students must pass the Computer Assessment OR complete applicable INFT course

³ Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 Introduction to Biblical Worldview (2 c.h.) and EVAN 101 Evangelism and the Christian Life (2 c.h.) waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 Theology Survey I (2 c.h.) and THEO 202 Theology Survey II (2 c.h.) waived

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.

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
HIUS 390	History of Virginia	3
MATH 121	College Algebra	3
MATH 217	Elementary Geometry	3
PHSC 210	Elements of Earth Science	3
PHYS 103	Elements of Physics Lab	1
Total Hours		26

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 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
<i>Practicum and Gate Courses</i>		
EDGT 177	School of Education Gate 1 – UG Initial Licensure – Local	0
EDGT 277	School of Education Gate 2 – UG Initial Licensure – Local	0
EDGT 377	School of Education Gate 3 – UG Initial Licensure – Local	0
EDUC 189	Practicum in Education I: Local ¹	0
EDUC 289	Practicum in Education II: Local ¹	0
EDUC 489	Practicum in Middle Education: Local ¹	0
<i>Professional Semester</i>		
EDST 475	The Reflective Educator: Resource Seminar	3
<i>Choose one of the following: ¹</i>		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		39

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

Code	Title	Hours
Cognate		
CHEM 105	Elements of General Chemistry	4
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

- **125** Total hours
- **3.0** Overall grade point average
- **31.25** 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
- **31.25** 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
- **CSER** All requirements must be satisfied before a degree will be awarded

Course Sequence

Course	Title	Hours
First Year		
First Semester		
COMS 101	Speech Communication	3
ENGL 101	Composition and Rhetoric	3
INQR 101	Inquiry	1
MATH 117	Elements of Mathematics	3
UNIV 101	Foundational Skills	1
Technology Competency ¹		0-3
EDGT 177	School of Education Gate 1 – UG Initial Licensure – Local	0
EDUC 201	Introduction to Education and Classroom Technology	3
CSER		0
Hours		14-17

Course	Title	Hours
Second Semester		
ENGL 102	Composition and Literature	3
HIUS 221	Survey of American History I	3
MATH 217	Elementary Geometry	3
PHYS 101	Elements of Physics	3
PHYS 103	Elements of Physics Lab	1
RLGN 105	Introduction to Biblical Worldview	2
EDGT 277	School of Education Gate 2 – UG Initial Licensure – Local	0
EDUC 350	Behavior and Individual Differences	3
CSER		0
Hours		18
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
EVAN 101	Evangelism and the Christian Life	2
EDUC 225	Instructional Design for Elementary & Middle School Classrooms	3
PSYC 210	Developmental Psychology	3
CSER		0
Hours		18
Second Semester		
GEOG 200	Introduction to Geography	3
PHSC 210	Elements of Earth Science	3
RSCH 201	Research	3
CHEM 105	Elements of General Chemistry	4
or CHEM 108	or Chemistry for Health Science Professionals	
EDUC 315	Instructional Approaches to Literature for Children and Adolescents	3
CSER		0
Hours		16
Third Year		
First Semester		
BIBL 105	Old Testament Survey	2
HIEU 202	History of Western Civilization II	3
THEO 201	Theology Survey I	2
EDUC 189	Practicum in Education I: Local ²	0
EDUC 318	Teaching Reading to Diverse Learners	3
EDUC 319	Teaching Writing and Language Arts to Diverse Learners	3
NASC 315	Environmental Science	4
or PHSC 311	or Oceanography	
CSER		0
Hours		17
Second Semester		
BIBL 110	New Testament Survey	2
GOVT 200	Constitutional Government and Free Enterprise	3

Course	Title	Hours
HIUS 390	History of Virginia	3
THEO 202	Theology Survey II	2
EDUC 289	Practicum in Education II: Local ²	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
CSER		0
Hours		16
Fourth Year		
First Semester		
MATH 121	College Algebra	3
EDUC 360	Foundations of Education	3
EDGT 377	School of Education Gate 3 – UG Initial Licensure – Local	0
EDUC 412	Middle School Curriculum and Instruction	3
EDUC 425	Content Measurement and Evaluation	3
EDUC 489	Practicum in Middle Education: Local ²	0
PHSC 121 or PHSC 310	Introduction to Astronomy or Astronomy: An Integrated Approach	3
CSER		0
Hours		15
Second Semester		
EDST 475	The Reflective Educator: Resource Seminar	3
Student Teaching Option ^{2,3}		9
CSER		0
Hours		12
Total Hours		126-129

¹ All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

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

³ Choose one of the following Student Teaching options: EDST 460, 461, 464, 465, 466, or 467