

COMPUTER SCIENCE EDUCATION 6-12 (B.ED.) - RESIDENT

Important: This degree plan is effective for those starting this degree program in fall 2022 through summer 2023. 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
INQR 101	Inquiry	1
Information Literacy Elective ²		3
Technological Solutions & Quantitative Reasoning ¹		
UNIV 101	Foundational Skills	1
MATH Elective ³		3
Technology Competency ⁴		0-3
Critical Thinking		
ENGL 201	American Literature I	3
RLGN 105	Introduction to Biblical Worldview ⁵	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 ¹		
PSYC 210	Developmental Psychology	3
Natural Science Elective		3
Christianity & Contexts		
BIBL 105	Old Testament Survey	2
BIBL 110	New Testament Survey	2
THEO 201	Theology Survey I ⁵	2
THEO 202	Theology Survey II ⁵	2
Total Hours		44-47

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

² CSIS 112 Advanced Programming (3 c.h.) is strongly recommended, as a prerequisite to CSIS 215 Algorithms and Data Structures (3 c.h.).

³ MATH 201 Introduction to Probability and Statistics (3 c.h.) is strongly recommended, as a prerequisite to CSIS 325 Database Management Systems (3 c.h.).

⁴ All students must pass the Computer Assessment OR complete applicable INFT course refer to www.liberty.edu/computerassessment for more information

⁵ Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 and EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

Major Requirements

Code	Title	Hours
Major Foundational Courses		
CSIS 110	Introduction to Computer Sciences ¹	3
MATH 211	Introduction to Statistical Analysis ¹	3
PHYS 101	Elements of Physics ¹	3
Total Hours		9

¹ Course may fulfil select general education requirements.

Code	Title	Hours
Major Core		
<i>Education Courses</i>		
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 419	Content Teaching Methods	3
EDUC 425	Content Measurement and Evaluation	3
EDUC 435	Content Curriculum Fundamentals	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 389	Practicum in Education III: Local ¹	0
<i>Secondary Courses</i>		
CSIS 111	Introduction to Programming Using C++	3
CSIS 209	C# Programming	3
or CSIS 212	Object-Oriented Programming	
CSIS 215	Algorithms and Data Structures	3
CSIS 310	Web Programming	3
CSIS 320	IS Hardware and Software	3
CSIS 325	Database Management Systems	3
or CSIS 326	Database System Concepts	
CSIS 330	Business Data Communication Systems	3
CSIS 342	Computer Architecture and Organization	3
CSIS 355	Network Architecture and Protocols	3
CSIS 471	Software Engineering	3

Code	Title	Hours
MATH 128	Elementary Functions and Coordinate Geometry	4
MATH 131	Calculus and Analytic Geometry I	4
MATH 250	Introduction to Discrete Mathematics	3
PHYS 103	Elements of Physics Lab	1
<i>Student Teaching</i>		
EDST 475	The Reflective Educator: Resource Seminar	3
EDST 480	Student Teaching: Distance ¹	9
or EDST 481	Supervised Student Teaching: Local	
Total Hours		78

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

All applicable prerequisites must be met

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

Graduation Requirements

- **122** total hours
- **3.0** Overall grade point average
- **30.5** 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
- **30.5** 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