

Bachelor of Science in Applied Statistics

2024-2025 Degree Completion Plan

Important: This degree plan is effective for those starting this degree program in fall 2024 through summer 2025. 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/

ourse		Hrs	Sem	Grade	Course		<u>Hrs</u>	Sem
Communication & Information Literacy (12 hours) ¹					Major Foundational Courses (3-10 hours)			
ENGL 101	Composition & Rhetoric	3			CSIS 110	Introduction to Computer Science ³	3	
	Communications Elective	3			CSIS 111	Introduction to Programming Using C++3	3	
	Information Literacy Elective	3			MATH 131	Calculus & Analytic Geometry I ³	4	
	Information Literacy Elective	3						
					MAJOR			
echnologica	al Solutions & Quantitative Reasonir	ng (3-0	6 hours	1		Core (40 hours)		
NIV 104	Instructional Tech. for Online Learning	0-3			MATH 132	Calculus & Analytic Geometry II	4	
ATH	Math Elective (MATH 114 or higher)	3			MATH 410	Matrix & Linear Algebra	3	
					MATH 430	Multivariable Calculus	3	
Critical Thinking (7 hours) ¹				MATH 460	Mathematical Modeling and Simulation	3		
LGN 104	Christian Life & Biblical Worldview ²	4			STAT 200	Introduction to Statistical Computing	3	
	Critical Thinking Elective	3			STAT 211	Introduction to Statistical Analysis	3	
					STAT 300	Introduction to Experimental Design	3	
Civic & Global Engagement (3 hours) ¹				STAT 412	Advanced Statistical Methods	3		
	Cultural Studies Elective	3			STAT 420	Regression & Forecasting I	3	
					STAT 421	Regression & Forecasting II	3	
Social & Scientific Inquiry (6 hours) ¹					STAT 441	Probability	3	
	Natural Science Elective	3			STAT 445	Exploratory Data Analysis	3	
	Social Science Elective	3			STAT 491	Capstone: Case Studies in Data Science	3	
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Christianity	& Contexts (8 hours) ¹				FREE ELEC	CTIVES (28-38 hours)		
IBL 104	Survey of Old & New Testament	4					_	
HEO 104	Introduction to Theology Survey ²	4					_	

Graduation Requirements

- 120 Total Hours
- 2.0 Overall grade point average
- **30** Hours must be upper-level courses (300-400 level)
- Grade of 'C' Minimum required for all major foundational courses and 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

Notes

All applicable prerequisites must be met

¹Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements

²Students 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

³Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened Suggested Course Sequence on second page

Revised: 06.11.2024 Effective: Catalog Term 2024-40

SUGGESTED COURSE SEQUENCE

FIRST YEAR

BIBL 104 ENGL 101 3 Communications Elective¹ 3 Information Literacy Elective¹ 3 Information Literacy Elective¹ 3 Information Literacy Elective¹ 3 Social Science Elective¹ 3 Math Elective¹ [MATH 131] 4 MATH 132 4 Total 14-17 SECOND YEAR CSIS 111 3 THEO 104 4 Critical Thinking Elective¹ 3 Cultural Studies Elective¹ 3 MATH 430 3 Natural Science Elective¹ 3 STAT 211 3 STAT 200 3 STAT 211 3 STAT 200 3 Elective 3 Elective 3 Elective 3 Elective 3 STAT 300 3 STAT 420 3 MATH 450 3 STAT 412 3 STAT 420 5 Elective 3 Elective 4 Elective 4 Elective 4 Elective 5 Elective 5 Elective 5 Elective 6 Elective 7 Elective 7 Elective 8 Elective 9 Elec	First Semester		Second Semester	
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Information Literacy Elective¹ [CSIS 110] 3 Social Science Elective¹ 3 4 MATH 132 4 4 Total 17 Total 18 Total	ENGL 101	3	Communications Elective ¹	3
Math Elective [MATH 131]				3
Total 14-17 Total 17		S 110] 3		3
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Note

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