

# Bachelor of Education in Engineering Education 6-12

2020-2021 Degree Completion Plan

Important:

This degree plan is effective for those starting this degree program in fall 2020 through summer 2021. 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 (44-47 hours) Communication & Information Literacy (13 hours)<sup>1</sup> **COMS 101** Speech Communication ENGL 101 Composition & Rhetoric **HIUS 221** Survey of American History I **INQR 101** Inquiry 101 Information Literacy Elective Technological Solutions & Quantitative Reasoning (4-7 hours)<sup>1</sup> UNIV 101 Foundational Skills MATH Elective MATH\_ Technology Competency<sup>2</sup> Critical Thinking (8 hours)<sup>1</sup> ENGL 201 American Literature I **RLGN 105** Intr Bwvw/Contemp Moral Issues<sup>3</sup> RSCH 201 Research 201 Civic & Global Engagement (5 hours)<sup>1</sup> CSTU 101 Western Culture **EVAN 101** Evangelism & Christian Life<sup>3</sup> Social & Scientific Inquiry (6 hours)<sup>1</sup> Developmental Psychology PSYC 210 Natural Science Elective Christianity & Contexts (8 hours)<sup>1</sup> **BIBL 105** Old Testament Survey **BIBL** 110 New Testament Survey Theology Survey I<sup>3</sup> **THEO 201 THEO 202** Theology Survey II3

Course		<u>Hrs</u>	Sem	Grade
Maior Found ENGL 102	ational Courses (0-10 hours) Composition & Literature <sup>4</sup>	3		
MATH 128	Elem Functions & Coordinate Geometry <sup>4</sup>	4		
PHYS 101	Elements of Physics <sup>4</sup>	3		
11115 101	Elements of Thysics	3		
MAJOR				
	Core (80 hours)			
Education Cour	rses			
EDUC 201	Intro. to Education & Classroom Tech.	3		
EDUC 221	Content Area Read & Diff Teach & Learn	3		
EDUC 235	Content Instructional Design	3		
EDUC 350	Behavior & Individual Differences	3		
EDUC 360	Foundations of Education	3		
EDUC 425	Content Measurement & Evaluation	3		
EDUC 435	Content Curriculum Fundamentals	3		
MATH 419	Teaching Math in Secondary Schools	3		
Practicum and				
EDUC 175	School of Educ Gate 1 – UG Initial Licen	0		
EDUC 275	School of Educ Gate 2 – UG Initial Licen	0		
EDUC 375	School of Educ Gate 3 – UG Initial Licen	0		
EDUC 189	Practicum in Education I: Local	0		
EDUC 289	Practicum in Education II: Local	0		
		0		
	OUC 389 Practicum in Education III: Local 0 condary Courses IGE 211 Intro to Electrical & Electronic Circuits 4			
		-		
ENGI 220	Engineering Economy	3		
ENGM 310 ENGR 102	Materials Engineering Introduction to Engineering	3 1		
ENGR 102 ENGR 110	Introduction to Engineering Fundamentals	3		
ENGR 110 ENGR 125	Visualization for Engineers	3 1		
ENGR 123 ENGR 133	Calculus with MATLAB	1		
ENGR 210	Probability & Statistical Analysis for Eng	3		
ENGR 235	Statics	3		
ENGR 240	Dynamics	3		
ENGR 315	Fluid Dynamics	3		
ENGR 381	Engineering Design Introduction	3		
MATH 221	Applied Linear Algebra	3		
MATH 231	Calculus & Analytical Geometry III	4		
MATH 334	Differential Equations	3		
PHYS 320	Thermodynamics	3		
Student Teachin	-			
EDST 475	The Reflective Educator: Resource Sem.	3		
EDST 480	Student Teaching: External			
or EDST 481	Student Teaching: Local	9		
	-			

## Graduation Requirements

124 Total Hours

3.0 Overall grade point average

31 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 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

### Notes

All applicable prerequisites must be met

<sup>1</sup>Refer to the list of approved general education electives at <a href="www.liberty.edu/gened">www.liberty.edu/gened</a> before enrolling in foundational skills requirements

<sup>2</sup>All students must pass the Computer Assessment OR complete applicable INFT course refer to <a href="https://www.liberty.edu/computerassessment">www.liberty.edu/computerassessment</a> for more information

<sup>3</sup>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

<sup>4</sup>Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at <a href="https://www.libertv.edu/gened">www.libertv.edu/gened</a>
Suggested Course Sequence on second page

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# SUGGESTED COURSE SEQUENCE

## FRESHMAN YEAR

First Semester		Second Semester		
ENGL 101	3	BIBL 105		2
RLGN 105	2	INQR 101		1
Technology Competency <sup>1</sup>	0-3	Info Literacy Elective [ENC	$5L1021^2$	3
UNIV 101	1	MATH Elective [MATH 12		4
EDUC 201	3	EDUC 221	-,	3
ENGR 102	1	EDUC 275		0
ENGR 110	3	ENGI 220		3
ENGR 133	1	CSER		0
EDUC 175	0	CSER	Total	16
CSER	0		Total	10
	otal 14-17			
10	nai 14-17			
	SOPHON	MORE YEAR		
Natural Science Elective [PHYS 10]	1] <sup>2</sup> 3	CSTU 101		3
RSCH 201	3	ENGL 201		3
EDUC 189	0	HIUS 221		3
EDUC 235	3	EDUC 350		3
ENGE 211	4	ENGM 310		3
MATH 231	4	MATH 221		3
CSER	<u>0</u>	CSER		0
To	tal 17		Total	18
	JUNIO	OR YEAR		
BIBL 110	2	COMS 101		3
THEO 201	2	THEO 202		2
PSYC 210	3	EDUC 360		3
EDUC 289	0	EDUC 425		3
ENGR 210	3	ENGR 125		1
MATH 334	3	ENGR 235		3
MATH 419	3	ENGR 381		3
CSER	<u>0</u>	CSER		0
	tal 16		Total	18
	SENIC	OR YEAR		
EVAN 101	2	EDST 475		3
EDUC 375	0	EDST 480 or 481		9
EDUC 389	0	CSER		0
EDUC 435	3	COLIN	Total	12
ENGR 240	3		10111	12
ENGR 315	3			
PHYS 320	3			
CSER				
	<u>0</u> otal 14			
10	nai 1+			

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<sup>&</sup>lt;sup>2</sup>Refer to the list of approved general education electives at <a href="https://www.liberty.edu/gened">www.liberty.edu/gened</a> before enrolling in foundational skills requirements