

Texas Lutheran University  
Degree Plan

Student:

ID:

Major: Biology

Specialization: 8-12 Life Science Specialization

<b>Foundations of Liberal Education – 18 hours</b>		<b>Cross Cultural Dimension – 6 hours</b>	
COMP 131 English Composition I		6 hours of Spanish language	
COMP 132 English Composition II		SPAN	
FE 134 (F) Exploring the Arts and Sciences		SPAN	
ENG 371 Advanced Composition		<b>Personal Well-Being dimension – 3 hours</b>	
Math 133 or higher College Algebra		KIN 121 Contemporary Wellness	
COM 374 Professional Speaking		KIN	
<b>Professional Development Courses – 18 hours</b>		<b>Life Science 8-12 Specialization 47-48 hours</b>	
ED 332 Learning Processes and Evaluation		BIO 143 Biological Systems I or	
ED 334A U. S. Schools		BIO 144 Biological Systems II	
ED 432 (F) Instructional Strategies, Grades 8-12		BIO 147 Human A & P I or	
ED 438 Classroom Management, Grades 8-12		BIO 148 Human A & P II	
ED 461 Student Teaching		BIO 241 Plant Biology	
<b>Academic Support Courses – 9 hours</b>		BIO 347 General Ecology	
ED 472 Classroom Application of Technology		CHEM 143 General Chemistry I	
RED 336 Teaching Reading in the Content Areas		3 courses the following BIO 242, 341, 343, 431, 414, 473	
BE 333 (S) ESL Strategies		BIO	
<b>Theological Dimension – 6 hours</b>		BIO	
THEO 133 Introduction to Theology		BIO	
THEO		CHEM 144 General Chemistry II	
<b>Humanities Dimension – 6 hours</b>		PHYS 141 General College Physics or	
ENG 2xx (Literature)		PHYS 240 Principles of Physics I	
HIST 132 North American History II		PHYS 142 General College Physics or	
<b>Natural Sciences Dimension - 6-8 hours</b>		PHYS 241 Principles of Physics II	
<i>These requirements are met in the certification area.</i>		STAT 374 Statistics	
<b>Arts Dimension – 6 hours</b>		BIO 411 Senior Capstone Seminar	
		<b>Options not required for graduation</b>	
<b>Social Sciences Dimension – 9 hours</b>		<b>Option 1: Second Specialization (min. 24 hrs)</b>	
HIST 131 N. American History I			
POLS 231 American Politics I			
PSY 236 Developmental Psychology			
		<b>Option 2: Minor (min. 18 hrs)</b>	
		<b>Writing Intensive: ED 334A U. S. Schools</b>	
		<b>Ethics Focused: ED 334A U. S. Schools</b>	

<b>Total Number of Hours:</b> 128-129	<b>Total Number of Hours Completed:</b>
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Cumulative 2.9 GPA required for entrance into program and entrance into Student Teaching.

A minimum of 33 semester hours must be earned at Texas Lutheran, including the final 24 hours.

C or better required in all courses with ED / BE / RED prefixes

C or better in COMP131, 132, FE 134, PSY 236, MATH 133 and COM 374

**NOTE:** 8-12 Life Science as 2<sup>nd</sup> Specialization - 31-32 hrs; Delete CHEM 144, 8 hrs. PHYS, STAT 374, and BIO 411.