

Physics - 4 Year Degree Plan

2025-2026

Lamar University's **Bachelor of Science in Physics** will suit you if you are seeking employment in industrial, governmental or private organizations that require a strong scientific background, or if you are seeking to continue your academic career in either graduate school or professional/medical school. This program places a strong emphasis on physics and mathematics. You can tailor it for your needs whether you're preparing for graduate school or employment in a variety of fields.

NOTE: Degree plans may change over a four-year period. This may not be the most current list of course requirements for your program. It is always advised that you check Degree Audit in Banner Self-Serv or your advisor for the most up-to-date degree requirements and to track your progress toward a degree.

FIRST YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	Communication		3		ENGL 1301	Composition I	3	
	PHYS 1370	Preparatory Physics: Foundations and Applications	3		PHYS 2425	University Physics I	4	
	MATH 2413	Calculus and Analytical Geometry I	4		MATH 2414	Calculus and Analytical Geometry II	4	
	CHEM 1311	General Chemistry I	3		CHEM 1312	General Chemistry II	3	
	CHEM 1111	General Chemistry I Laboratory	1		CHEM 1112	General Chemistry II Laboratory	1	
	Hours		14		Hours		15	
SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	MATH 2415	Calculus III	4		PHYS 3350	Modern Physics	3	
	ENGL 1302	Composition II	3		PHYS 3430	Analytical Mechanics	4	
	MATH 2318	Linear Algebra	3		MATH 3301	Ordinary Differential Equations	3	
	PHYS 2426	University Physics II	4		Language, Philosophy and Culture		3	
					PHYS 3314	Mathematical Methods in the Physical Sciences	3	
	Hours		14		Hours		16	
THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	PHYS 3380	Electricity and Magnetism	3		PHYS 3390	Statistical Physics	3	
	PHYS 4320	Introduction Quantum Mechanics	3		PHYS 4480	Optics	4	
	Social Behavioral Science		3		Concentration		3	
	HIST 1301	U.S. History I 1763-1877	3		Physics/General Electives		3	
	Main Elective	3000-4000	3		HIST 1302	U.S. History II Since 1877	3	
	Hours		15		Hours		16	
FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	PHYS 4370	Solid State Phys	3		POLS 2302	Intro to American Government II	3	
	PHYS/General Electives		3		PHYS/General Electives		6	
	Concentration		3		Creative Arts		3	
	POLS 2301	Intro to American Government I	3		Special Topics		3	
	Concentration		3					
	Hours		15		Hours		15	