

Physics - 4 Year Degree Plan

2026-2027

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. - Contact UAC at advising@lamar.edu, 409-880-8822, lamar.edu/findadvisor

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	___
	Hours		14	___	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	Into 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	___	