

Biology - 4 Year Degree Plan

2025-2026

Lamar University's **Bachelor of Science in Biology** program will equip you to enter the professions of medicine, dentistry or other related career paths. You'll be equally prepared for environmental or biotechnology-related careers in various governmental agencies, private companies or academia. The program coursework includes general biology, microbiology, cell biology, etc.

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	
	BIOL 1406	General Biology I (Majors)	4		BIOL 1407	General Biology II (Majors)	4	
	HIST 1301	U.S. History I 1763-1877	3		HIST 1302	U.S. History II Since 1877	3	
	MATH 1316	Trigonometry	3		PSYC 2317	Introduction to Statistical Methods	3	
	Creative Arts Core		3		Social and Behavioral Science		3	
	Hours		16		Hours		16	

SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	Component Area Option		3		POLS 2302	Intro/American Government II	3	
	POLS 2301	Intro to American Government I	3		CHEM 1312 and CHEM 1112	General Chemistry II and General Chemistry II Laboratory	4	
	CHEM 1311 and CHEM 1111	General Chemistry I and General Chemistry I Laboratory	4		PHYS 1402	College Physics II	4	
	PHYS 1401	College Physics I	4		BIOL 2421	Microbiology for Science Majors	4	
	Hours		14		Hours		15	

THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	CHEM 3311 and CHEM 3111	Organic Chemistry I and Organic Chemistry I Laboratory	4		CHEM 3312 and CHEM 3112	Organic Chemistry II and Organic Chemistry II Laboratory	4	
	BIOL 4410 or BIOL 3460	Parasitology or Invertebrate Zoology	4		Advanced Biology Elective 3000-4000		4	
	Advanced Biology Elective 3000-4000		4		BIOL 3428 or BIOL 4408 or BIOL 4409 or BIOL 4431 or BIOL 4440 or BIOL 4445	Comparative Anatomy or Mammology or Ornithology or Ichthyology or Vertebrate Natural History or Herpetology	4	
	BIOL 4470 or BIOL 4404	Cell Biology/Histology or Molecular Biology	4		General Advanced Elective 3000-4000		3	
	Hours		16		Hours		15	

FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	Language, Philosophy and Culture		3		BIOL 3470	Genetics	4	
	BIOL 3450	General Botany	4		BIOL 4344	Development of Biological Thought	3	
	Advanced Biology Elective 3000-4000		3		Advanced Biology Elective 3000-4000		3	
	Advanced Biology Elective 3000-4000		4		Advanced Biology Elective 3000-4000		4	
	Hours		14		Hours		14	