

## Biochemistry B.A. - 4 Year Degree Plan

2025-2026

Lamar University's **Bachelor of Arts in Biochemistry** program will prepare you to explore the processes of life at the molecular level. In your studies, you will examine how cell components work together and communicate with each other, giving you strong foundations in disciplines such as genetics, forensics, microbiology, plant science and medicine. After graduation, you will be qualified to obtain employment in industry, education, or to enter postgraduate programs in professional or academic areas.

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
	MATH 1342	Elementary Statistical Methods			MATH 2413	Calculus and Analytical Geometry I		
	COMM 1315 or COMM 1321	Public Speaking I or Business and Prof Speech	3		HIST 1302	U.S. History II Since 1877	4	
	BIOL 1406	General Biology I (Majors)	4		Social and Behavioral Sciences		3	
	Creative Art		3		BIOL 1407	General Biology II (Majors)	4	
	HIST 1301	U.S. History I 1763-1877	3		ENGL 1301	Composition I	3	
	Hours		16		Hours		17	
SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	CHEM 1311 and CHEM 1111	General Chemistry I and General Chem I Laboratory	4		CHEM 1312 and CHEM 1112	General Chemistry II and General Chem II Laboratory	4	
	PHYS 1401	College Physics I	4		PHYS 1402	College Physics II	4	
	Modern Language		3		Modern Language		3	
	ENGL 1302	Composition II	3		Language, Philosophy and Culture		3	
THIRD YEAR	Hours		14		Hours		14	
	Fall		Hours	Grade	Spring		Hours	Grade
	CHEM 3311 and CHEM 3111	Organic Chemistry I and Organic Chem I Laboratory	4		CHEM 3312 and CHEM 3112	Organic Chemistry II and Organic Chem II Laboratory	4	
	POLS 2301	Intro to American Government I	3		CHEM 3401	Quantitative Analysis	4	
	BIOL 2421	Microbiology for Science Majors	4		POLS 2302	American Government II	3	
FOURTH YEAR	Modern Language		3		Modern Language		3	
	Hours		14		Hours		14	
	Fall		Hours	Grade	Spring		Hours	Grade
	CHEM 4315	Biophysical Chemistry	3		ENGL 3310	Technical Report Writing	3	
	CHEM 4381	Chemical Communication	3		CHEM/BIOL Elective		4	
	CHEM 3331	Inorganic Chemistry	3		BIOL 3470	Genetics	4	
	CHEM 4411	Biochemistry I	4		CHEM 4412	Biochemistry II	4	
	Language Philosophy Culture Core		3					
	Hours		16		Hours		15	