

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

2026-2027

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. – Contact UAC at [advising@lamar.edu](mailto:advising@lamar.edu), 409-880-8822, [lamar.edu/findadvisor](http://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
	<b>MATH 1342</b>	Elementary Statistical Methods	3	___	<b>MATH 2413</b>	Calculus and Analytical Geometry I	4	___
	<b>COMM 1315</b> or <b>COMM 1321</b>	Public Speaking I or Business and Prof Speech	3	___	<b>HIST 1302</b>	U.S. History II Since 1877	3	___
	<b>BIOL 1406</b>	General Biology I (Majors)	4	___	Social and Behavioral Sciences		3	___
	Creative Art		3	___	<b>BIOL 1407</b>	General Biology II (Majors)	4	___
	<b>HIST 1301</b>	U.S. History I 1763-1877	3	___	<b>ENGL 1301</b>	Composition I	3	___
Hours		16	___	Hours		17	___	

SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>CHEM 1311</b> and <b>CHEM 1111</b>	General Chemistry I and General Chem I Laboratory	4	___	<b>CHEM 1312</b> and <b>CHEM 1112</b>	General Chemistry II and General Chem II Laboratory	4	___
	<b>PHYS 1401</b>	College Physics I	4	___	<b>PHYS 1402</b>	College Physics II	4	___
	Modern Language		3	___	Modern Language		3	___
	<b>ENGL 1302</b>	Composition II	3	___	Language, Philosophy and Culture		3	___
Hours		14	___	Hours		14	___	

THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>CHEM 3311</b> and <b>CHEM 3111</b>	Organic Chemistry I and Organic Chem I Laboratory	4	___	<b>CHEM 3312</b> and <b>CHEM 3112</b>	Organic Chemistry II and Organic Chem II Laboratory	4	___
	<b>POLS 2301</b>	Intro to American Government I	3	___	<b>CHEM 3401</b>	Quantitative Analysis	4	___
	<b>BIOL 2421</b>	Microbiology for Science Majors	4	___	<b>POLS 2302</b>	American Government II	3	___
	Modern Language		3	___	Modern Language		3	___
Hours		14	___	Hours		14	___	

FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>CHEM 4315</b>	Biophysical Chemistry	3	___	<b>ENGL 3310</b>	Technical Report Writing	3	___
	<b>CHEM 4381</b>	Chemical Communication	3	___	CHEM/BIOL Elective		4	___
	<b>CHEM 3331</b>	Inorganic Chemistry	3	___	<b>BIOL 3470</b>	Genetics	4	___
	<b>CHEM 4411</b>	Biochemistry I	4	___	<b>CHEM 4412</b>	Biochemistry II	4	___
	Language Philosophy Culture Core		3	___				
Hours		16	___	Hours		15	___	