

## Chemistry B.S. - 4 Year Degree Plan

2026-2027

Lamar University's **Bachelor of Science in Chemistry** is designed for you to apply chemistry principles in other fields, including medicine, education, dentistry, law, optometry and business. This might be a good fit if you're interested in a career as a high school teacher, a chemical librarian, chemical salesperson, medical doctor, pharmaceutical salesperson or chiropractor. The program is offered only on-campus and its coursework includes general chemistry, organic chemistry, inorganic chemistry, etc. - 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 2413</b>	Calculus and Analytical Geometry I	4	___	<b>MATH 2414</b>	Calculus and Analytical Geometry II	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> or <b>GEOL 1403</b>	General Biology I (Majors) or Geology I: Physical Geology	4	___	Social and Behavioral Science Core		3	___
	Creative Art		3	___	<b>ENGL 1301</b>	Composition I	3	___
	<b>HIST 1301</b>	U.S. History I 1763-1877	3	___	<b>BIOL 1407</b> or <b>GEOL 1404</b>	General Biology II (Majors) or Geology II: Historical Geology	4	___
	Hours		17	___	Hours		17	___

SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>CHEM 1311</b>	General Chemistry I	3	___	<b>CHEM 1312</b>	General Chemistry II	3	___
	<b>CHEM 1111</b>	General Chemistry I Laboratory	1	___	<b>CHEM 1112</b>	General Chemistry II Laboratory	1	___
	<b>PHYS 2425</b>	University Physics I	4	___	<b>PHYS 2426</b>	College Physics II	4	___
	<b>POLS 2301</b>	Intro to American Government I	3	___	<b>POLS 2302</b>	Intro American Government II	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>MATH 2415</b>	Calculus III	4	___	<b>CHEM 3312</b>	Organic Chemistry II	3	___
	<b>CHEM 3311</b>	Organic Chemistry I	3	___	<b>CHEM 3112</b>	Organic Chemistry II Laboratory	1	___
	<b>CHEM 3111</b>	Organic Chemistry I Laboratory	1	___	<b>CHEM 4371</b>	Intro Research (or CHEM 4471)	3	___
	<b>CHEM 3331</b>	Inorganic Chemistry	3	___	<b>PHYS 3350</b>	Modern Physics	3	___
	<b>CHEM 3131</b>	Inorganic Chemistry I Laboratory	1	___	Chemistry Elective		6	___
	<b>CHEM 3401</b>	Quantitative Analysis	4	___	Hours		16	___

FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>CHEM 4311</b>	Physical Chemistry I	3	___	<b>CHEM 4312</b>	Physical Chemistry II	3	___
	<b>CHEM 4131</b>	Physical Lab	1	___	<b>CHEM 4132</b>	Physical Lab	1	___
	<b>CHEM 4411</b>	Biochemistry I	4	___	<b>CHEM 4341</b>	Inorganic	3	___
	<b>CHEM 4381</b>	Chemical Communication	3	___	<b>CHEM 4141</b>	Inorganic Chemistry II Laboratory	1	___
	Chemistry Elective		3	___	<b>CHEM 4461</b>	Instrumental Methods Analysis	4	___
	Hours		14	___	Hours		12	___