

Forensic Chemistry B.S. - 4 Year Degree Plan

2025-2026

Lamar University's **Bachelor of Science in Forensic Chemistry** is for you if you want to laboratory analysis to help solve criminal cases. As a forensic chemist, you will use knowledge from chemistry, biology, materials science, genetics and criminal justice to evaluate material evidence related to crime scenes. The program is offered only on-campus and its coursework includes biophysical chemistry, criminal investigation, microbiology, etc. After graduation, you will be prepared to work in government labs for federal, state, local police departments, 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 |
|------------|---|---|-------|-------|------------------------------------|------------------------------------|-------|-------|
| | MATH 1342 | Elementary Statistical Methods | 3 | _____ | MATH 2413 | Calculus and Analytical Geometry I | 4 | _____ |
| | COMM 1315 or COMM 1321 or FREN 1311 or SPAN 1311 | Public Speaking I or Business and Prof Speech or Beginning French I or Beginning Spanish I | 3 | _____ | HIST 1302 | U.S. History II Since 1877 | 3 | _____ |
| | BIOL 1406 | General Biology I (Majors) | 4 | _____ | Social and Behavioral Science Core | | 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 | General Chemistry I | 3 | _____ | CHEM 1312 | General Chemistry II | 3 | _____ |
| | CHEM 1111 | General Chemistry I Laboratory | 1 | _____ | CHEM 1112 | General Chemistry II Laboratory | 1 | _____ |
| | PHYS 1401 | College Physics I | 4 | _____ | PHYS 1402 | College Physics II | 4 | _____ |
| | CRIJ 1301 | Intro to Criminal Justice | 3 | _____ | CRIJ 2314 | Criminal Investigation | 3 | _____ |
| | ENGL 1302 | Composition II | 3 | _____ | Language, Philosophy and Culture | | 3 | _____ |
| | Hours | | 14 | _____ | Hours | | 14 | _____ |

| THIRD YEAR | Fall | | Hours | Grade | Spring | | Hours | Grade |
|------------|-----------|---------------------------------|-------|-------|-----------|----------------------------------|-------|-------|
| | CHEM 3311 | Organic Chemistry I | 3 | _____ | CHEM 3312 | Organic Chemistry II | 3 | _____ |
| | CHEM 3111 | Organic Chemistry I Laboratory | 1 | _____ | CHEM 3112 | Organic Chemistry II Laboratory | 1 | _____ |
| | CHEM 3401 | Quantitative Analysis | 4 | _____ | CHEM 3491 | Intro to Forensic Sciences | 4 | _____ |
| | BIOL 2421 | Microbiology for Science Majors | 4 | _____ | BIOL 4404 | Molecular Biology | 0-4 | _____ |
| | POLS 2301 | Intro to American Government I | 3 | _____ | CRIJ 3310 | Criminal Procedures and Evidence | 3 | _____ |
| | | Hours | 15 | _____ | | Hours | 11-15 | _____ |
| | Summer | | | | | | Hours | Grade |
| | CHEM 4371 | Intro Research | | | | | 3 | _____ |
| | POLS 2302 | Intro/American Government II | | | | | 3 | _____ |
| | | | | Hours | | 6 | | |

| FOURTH YEAR | Fall | | Hours | Grade | Spring | | Hours | Grade |
|-------------|-----------|------------------------|-------|-------|-----------|---|-------|-------|
| | CHEM 4315 | Biophysical Chemistry | 3 | _____ | CRIJ 4313 | Contemporary Issues in Criminal Justice | 3 | _____ |
| | CHEM 4381 | Chemical Communication | 3 | _____ | CHEM 4461 | Instrumental Methods of Analysis | 4 | _____ |
| | CHEM 4491 | Forensic Chemistry | 4 | _____ | BIOL 3470 | Genetics | 4 | _____ |
| | CHEM 4411 | Biochemistry I | 4 | _____ | BIOL 4435 | Environmental Toxicology | 4 | _____ |
| | Hours | | 14 | _____ | Hours | | 15 | _____ |