



Lamar State College  
— Orange —



## BACHELOR OF SCIENCE CHEMISTRY



**START WITH LAMAR STATE COLLEGE ORANGE. FINISH AT LAMAR UNIVERSITY!**

### Your Future

Chemistry major learns to think creatively, troubleshoot complex problems, perform detailed analyses, and make decisions based on research. Chemistry is often called “the central science,” for it connects the fields of physics, biology, medicine and engineering at the molecular level. It’s fundamental to every aspect of our day-to-day lives.

The Department of Chemistry provides an undergraduate program designed to train students as professional chemists, with American Chemical Society (ACS) certification. A degree in chemistry has often proven the most valuable for those planning to pursue demanding career paths in the various medical disciplines.

### Career Opportunities

Our programs encompass a wide variety of professions such as:

- Chemical Industry
- Environmental Companies
- Safety Management Companies
- Pharmaceutical Industry
- Forensics Laboratories
- Polymer Companies
- Petroleum Industry
- Cosmetic Industry
- K-12 Education and Professional Schools

### LU SCHOLARSHIPS

AMOUNT/YEAR	TRANSFERABLE GPA	RENEWABLE?
<b>TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP*</b>		
<b>\$2,000</b>	3.5-4.0	YES
<b>\$1,500</b>	3.0-3.49	YES
<b>PHI THETA KAPPA (PTK) SCHOLARSHIP</b>		
<b>\$1,000</b>	3.0-3.49	YES

*\*Based on availability and for full-time students who have earned more than 30, but less than 90 transfer credits and enrolled in on-campus programs*

#### TO APPLY FOR SCHOLARSHIPS

- Complete your admissions application
- Visit [lamar.edu/myscholarships](http://lamar.edu/myscholarships)
- Complete the General Application

#### PRIORITY DEADLINES

Fall – July 1  
Spring – December 1

## A.S. NATURAL SCIENCE

### FALL SEMESTER

ENGL 1301 - Composition 1  
MATH 2412 - Pre-Cal Math  
BIO 1306 - Biology for Sci Majors (Life & Phys Sci Elec)  
Biology Lab  
SPCH 1315 - Public Speaking (Comm Core Elective)  
HIST 1301 - American History I

### SPRING SEMESTER

ENGL 1302 - Composition 2  
GOVT 2305 - Federal Government  
BIOL 1307 - Biology for Sci Majors II (Life & Phys Sci Elec)  
Biology Lab  
HIST 1302 - American History II  
Creative Arts Core Elective

### FALL SEMESTER

GOVT 2306 - Texas Government  
CHEM 1311 - General Chemistry I  
Chemistry Lab  
Social Behav Sci Core Elective  
Component Area Option Core Elective  
Lang Phil Culture Core Elective

### SPRING SEMESTER

MATH 2413 - Math Core Elective  
CHEM 1312 - General Chemistry II  
Chemistry Lab  
PHYS 2325 - University Physics  
Physics Lab

## B.S. CHEMISTRY

### FALL SEMESTER

CHEM 3311 & 3111  
MATH 2414 - Calculus II  
CHEM 3131 - Inorganic Chemistry I Lab  
CHEM 3331 - Inorganic Chemistry I  
CHEM 4411 - Biochemistry I

### SPRING SEMESTER

CHEM 3312 & 3112  
PHYS 2426 - Univ Physics II  
CHEM 4141 - Inorganic Chemistry II Lab  
CHEM 4341 - Inorganic Chemistry II  
MATH 2415 - Calculus III

### FALL SEMESTER

CHEM 4313 - Physical Chemistry I Lab  
CHEM 4311 - Physical Chemistry I  
CHEM 4381 - Chemical Communications  
CHEM 3401 - Quantitative Analysis  
CHEM - Chemistry Elective

### SPRING SEMESTER

CHEM 4132 - Physical Chemistry II Lab  
CHEM 4312 - Physical Chemistry II  
CHEM 4461 - Instrumental Analysis  
PHYS 3350 - Modern Physics  
CHEM - Chemistry Elective



I'm ready to apply.  
What's next?

You've made a great choice!  
Follow the steps below to becoming a Cardinal.

## HOW TO APPLY

### REQUIRED STEPS

1. Finish your degree at Lamar State College Orange
2. Complete your application and transfer to Lamar University through ApplyTexas.org
3. Finish your Chemistry degree on campus



OFFICE OF ADMISSIONS & RECRUITMENT  
**LAMAR UNIVERSITY**



/lamaruadmissions  
@lamaruadmissions

**PLAN A VISIT TO CAMPUS** (409) 880-8316

plan or take a virtual tour at [lamar.edu/visit](http://lamar.edu/visit)

\* Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

Lamar University is an equal opportunity/affirmative action educational institution.