CENTRAL TEXAS COLLEGE

LAMAR UNIVERSITY

BACHELOR OF SCIENCE CHEMICAL ENGINEERING

COURSES AVAILABLE ON CAMPUS

START WITH CENTRAL TEXAS COLLEGE. FINISH AT LAMAR UNIVERSITY!

Your Future

The Lamar University Bachelor of Science in Chemical Engineering degree prepares you to apply the principles of chemistry, biology, physics and math to solve problems that involve the production or use of chemicals, fuel, drugs, food and many other products. You can design processes and equipment for large-scale manufacturing, plan and test production methods and byproducts treatment and direct facility operations.

Because Lamar University is so conveniently located near industry in the area, you'll have access to many co-op opportunities and will easily find a job after graduation. Chemical engineering encompasses multiple fields in several industries. With this degree, your career opportunities are nearly limitless.

Career Opportunities

- Petrochemicals
- Fuels and Energy
- Process Design
- Safety and Health
- Pharmaceuticals
- Semiconductor

LU SCHOLARSHIPS

	AMOUNT/YEAR	TRANSFERABLE GPA	RENEWABLE?
TRANSFER ACADEMIC EXCELLENCE SCHOLARSHIP*			
	$2,000	3.5-4.0	YES
	$1,500	3.0-3.49	YES
PHI THETA KAPPA (PTK) SCHOLARSHIP			
	$1,000	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
- Complete the General Application

PRIORITY DEADLINES

Fall – July 1
Spring – December 1

A.S. ENGINEERING

FALL SEMESTER
ENGL 1301 - Composition I
HIST 1301 - US History I
SPCH 1315 - Public Speaking
Creative Arts Selection
ENGR 1201 - Intro to Engineering

SPRING SEMESTER
HIST 1302 - US History II
PHYS 2425 - Physics I
MATH 2413 - Calculus I
GOVT 2305 - Federal Government

SUMMER (if applicable)
MATH 2414 - Calculus II
CHEM 1411 - General Chemistry I Component Area Option

FALL SEMESTER
PHYS 2426 - Modern Physics II
ENGR 2301 - Engineering Mechanics-Statics
ENGR 2305 - Electrical Circuits I

SPRING SEMESTER
GOVT 2306 - Texas Government
ENGR 2332 - Mechanics of Materials
Lang/Phil/Culture Selection
ENGR 2302 - Engineering Mechanics-Dynamics
Social/Behavioral Sci Selection

SUMMER (if applicable)
CHEM 1312 - General Chemistry II
CHEM 1112 - General Chemistry II Lab
MATH 2415 - Calculus III

B.S. CHEMICAL

FALL SEMESTER
CHEN 1101 - Intro to Chem Engr
INEN 2373 - Engineering Economics
CHEN 2374 - Thermodynamics I
CHEN 2140 - Undergrad Seminar
CHEN 2100 - CAMS
MATH 2318 - Linear Algebra
CHEM 3111 & 3311

SPRING SEMESTER
CHEM 3401 - Quantitative Analysis
CHEN 3340 - Process Analysis
MATH 3301 - Ord Diff Equations
MATH 3370 - Theory to Stat Inference
CHEM 3112 & 3312

SUMMER (if applicable)
CHEN 3330 - Thermodynamics II
CHEN 3311 - Momentum Transfer
CHEN 3320 - Heat Transfer
CHEN 4410 - Reaction Kinetics

FALL SEMESTER
CHEN 4331 - Process control I
CHEN 4320 - Mass Transfer
CHEN 4310 - Lab I
CHEN 4360 - Design I
Technical Elective

SPRING SEMESTER
CHEN 4332 - Process Control II
CHEN 4150 - Process Control Lab
CHEN 4340 - Plant Design II
CHEN 4350 - Advanced Analysis
Technical Elective
Technical 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 Central Texas College**
2. **Complete your application and transfer to Lamar University through ApplyTexas.org**
3. **Finish your Chemical Engineering degree on campus**

Office of Admissions & Recruitment
LAMAR UNIVERSITY

/lamaruadmissions
@lamaruadmissions

PLANAVISITTOCAMPUS (409) 880-8316

plan or take a virtual tour at lamar.edu/visit