



COURSES  
AVAILABLE  
ON CAMPUS

# BACHELOR OF SCIENCE MECHANICAL ENGINEERING



YOUR  
*Moment*  
IS HERE

**START WITH BLINN COLLEGE. FINISH AT LAMAR UNIVERSITY!**

## Your Future

Do you want to pursue a career where you can design, build, develop and test machine systems? The Bachelor of Science Degree in Mechanical Engineering at Lamar University prepares you for a career in machine design, systems design, energy resources and conversion, manufacturing and production, transportation and environmental impact, materials and structures and aerospace.

Lamar University ensures mechanical engineering graduates possess the necessary broad skill set that incorporates development and manufacturing of mechanical devices. Whether you need to build a project from scratch, test a device with your peers or apply advanced mathematics to a challenge, career-centered faculty are here to prepare you for success.

## Career Opportunities

- Automotive
- Aerospace
- Electronics
- Textiles
- Mechanical Engineer
- Automotive Engineer
- Control Engineer
- Instrumentation Engineer

## 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. ENGINEERING

### FALL SEMESTER

ENGR 1201 – Intro to Engineering  
MATH 2413 – Calculus I  
CHEM 1409 – Gen. Chem. for Engr.  
ENGL 1301 – Composition I  
PHIL 2306 – Ethics

### SPRING SEMESTER

ENGR 1304 – Engr. Graphics  
MATH 2414 – Calculus II  
PHYS 2325 & 2125 – University Physics & Lab  
SPCH 1315 – Public Speaking  
HIST 1301 – U.S. History I

### FALL SEMESTER

ENGR 2301 – Statics  
MATH 2415 – Calculus III  
PHYS 2326 & 2126 – University Physics II & Lab  
Soc/Behav. Sci. Core Elective

### SPRING SEMESTER

ENGR 2302 – Dynamics  
ENGR 2405 – Electrical Circuits  
ENGR 2332 – Mec. of Materials  
MATH 2320 – Differential Equations

### SUMMER AT BLINN

GOVT 2305 – Federal Government  
GOVT 2306 – Texas Government  
MATH 2318 – Linear Algebra  
MEEN 2374 – Thermodynamics I

## B.S. MECHANICAL ENGINEERING

### FALL SEMESTER

MEEN 3340 – Engineering Analysis  
MEEN 3311 – Fluid Mechanics  
MEEN 3380 – Thermodynamics II  
MEEN 2372 – Mechanics of Solids  
INEN 2373 – Engineering Economics

### SPRING SEMESTER

MEEN 3210 – Measurements Lab  
MEEN 3310 – Heat Transfer  
MEEN 3300 – Design of Mechanisms  
MEEN 3320 – Mechanical Design I  
MEEN 3350 – CAE  
HIST 1302 – U.S. History II

### FALL SEMESTER

MEEN 4110 – Seminar  
MEEN 4310 – Integrated Systems Design  
MEEN 4313 – Thermal System Design  
MEEN 4319 – Materials Science  
MEEN 4323 – Mechanical Design II  
MEEN Elective

### SPRING SEMESTER

MEEN 4316 – Eng. Design Project  
MEEN 4317 – Dynamic Systems Analysis  
MEEN Elective  
INEN 4320/MATH 3370 – Statistics  
Creative Arts Core 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 Blinn College
2. Complete your application and transfer to Lamar University through ApplyTexas.org



OFFICE OF ADMISSIONS  
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)