

## Mechanical Engineering B.S. - 4 Year Degree Plan

2026-2027

Lamar University's **Bachelor of Science in Mechanical Engineering** 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. This program offers you an engineering degree in a broad discipline incorporating the research, design, development, manufacturing and testing of mechanical devices. – 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
	Communication		3	___	<b>POLS 2301</b>	Intro to American Government I	3	___
	<b>MATH 2413</b>	Calculus and Analytical Geometry I	4	___	<b>ENGL 1301</b>	Composition I	3	___
	<b>CHEM 1311</b> and <b>CHEM 1111</b>	General Chemistry I and Gen Chem I Lab	4	___	<b>MATH 2414</b>	Calculus and Analytical Geometry II	4	___
	American History		3	___	<b>PHYS 2425</b>	University Physics I	4	___
	Creative Arts Elective		3	___	American History		3	___
	Hours		17	___	Hours		17	___

SECOND YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>MEEN 2112</b>	Introduction to Programming	1	___	<b>MATH 2320</b>	Ordinary Differential Equations	3	___
	<b>MATH 2415</b>	Calculus III	4	___	<b>MEEN 2302</b>	Dynamics	3	___
	<b>PHYS 2426</b>	University Physics II	4	___	<b>MEEN 2372</b>	Mechanics of Solids	3	___
	<b>MEEN 2301</b>	Statics	3	___	<b>INEN 2373</b>	Engineering Economics	3	___
	<b>MEEN 2213</b>	Introduction to Design	2	___	<b>MEEN 2374</b>	Thermodynamics I	3	___
	<b>MATH 2318</b>	Linear Algebra	3	___				___
Hours		17	___	Hours		15	___	

THIRD YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>PHIL 2306</b>	Ethics	3	___	<b>MEEN 3210</b>	Measurements Lab	2	___
	<b>MEEN 3340</b>	Engineering Analysis	3	___	<b>MEEN 3310</b>	Heat Transfer	3	___
	<b>MEEN 3311</b>	Fluid Mechanics	3	___	<b>MEEN 3300</b>	Design of Mechanism	3	___
	<b>INEN 3322</b>	Eng Materials/Manufacturing Processes	3	___	<b>MEEN 3320</b>	Mechanical Design I	3	___
	<b>ELEN 3310</b>	Fundamentals of Electrical Engineering	3	___	<b>INEN 4320</b> or <b>MATH 3370</b>	Statistical Decision Making in Engineering or Intro to Theory of Statistical Inference	3	___
					<b>POLS 2302</b>	Intro/American Government II	3	___
Hours		15	___	Hours		17	___	

FOURTH YEAR	Fall		Hours	Grade	Spring		Hours	Grade
	<b>MEEN 4110</b>	Seminar	1	___	<b>MEEN 4316</b>	Engineering Design Project	3	___
	<b>MEEN 4310</b>	Integrated System Design	3	___	<b>MEEN 4317</b>	Dynamic Systems Analysis	3	___
	<b>MEEN 4313</b>	Thermal Systems Design	3	___	MEEN Technical Elective		3	___
	<b>MEEN 4319</b>	Materials Science	3	___	Free Elective		3	___
	<b>MEEN 4323</b>	Mechanical Design II	3	___				___
	MEEN Technical Elective		3	___				___
Hours		16	___	Hours		12	___	