MECHANICAL ENGINEERING PROGRAM
Suggested Course Sequence – 132 Credit Hours

YEAR 1

	FALL				SPRING	
Course #	Course Name	Credits		Course #	Course Name	Credits
UNIV-1101	Freshman Seminar I	1		UNIV-1102	Freshman Seminar II	1
MATH-2413	Calculus I	4		MATH-2414	Calculus II	4
CHEM-1411	General Chemistry I	4		PHYS-2425	Physics I	4
ENGL-1301	Introduction To College Composition	3		ENGL-1302	College Rhetoric and Composition	3
HIST-1301/1302	U.S. History I or II	3		ENGR-1322	Computer Application in ENGR	3
ENGR 1111	Introductory to Engineering	1				
	Total	**16**			**Total**	**15**

YEAR 2

	FALL				SPRING	
Course #	Course Name	Credits		Course #	Course Name	Credits
MATH-2414	Calculus III	4			Fine Arts Core	3
PHYS-2426	Physics II	4		MECE-2321	Thermodynamics I	3
ENGR-2311	Economy Analysis and Technology Application	**3**		MATH-2320	Differential Equations	**3**
ENGR-2312	Engineering Mechanics I - Statics	3		ENGR-2323	Engineering Mechanics II	3
MECE-2312	Intro to Robotics	**3**		PSCI-1301/1302	US or Texas Government	**3**
MECE-3111	Professional Development Seminar	1		COMM 1315	Public Speaking	3
		18				18

YEAR 3

	FALL				SPRING	
Course #	Course Name	Credits		Course #	Course Name	Credits
MECE—2311	Modeling and Manufacturing Processes w/Lab	3		ENGR-2323	Introduction to Circuits w/lab	3
MECE-3311	Engineering Analysis	3		MECE-3323	Mechanics of Machinery	3
MECE-3312	Thermodynamics II	3		MECE-3325	Material for Mech Engr Design	3
MECE-3313	Mechanics of Materials	3		ENGL 3393	Intro to Technical Writing	3
MATH-3333	Probability	3		MECE-4322	Fluid Mechanics	3
				MECE-4122	Thermo-Fluids Lab	1
	Totals	**15**			Totals	16

YEAR 4

	FALL				SPRING	
Course #	Course Name	Credits		Course #	COURSE NAME	Credits
MECE-3313	System Dynamics	3		MECE-4123	Solid Mechanics Lab	1
MECE-3314	Heat Transfer	3		MECE-4323	Material Selection in Design	3
MECE-4315	Machine Design	3		MECE-4324	Energy System Design	3
MECE-3315	Measurement Techniques w/Lab	3		MECE-4325	Intro to Vibrations and Controls	3
MECE	Technical Elective	3		MECE-4326	Mechanical System Design	3
				BUSI	Elective: PROJECT MGMT	3
		15				16