

Mechanical Engineering Degree Plan (126 hours)

FIRST YEAR

Fall Semester		Spring Semester	
<i>Course Name</i>	<i>Credit Hour</i>	<i>Course Name</i>	<i>Credit Hour</i>
ENGL 1301 English Composition I	3	MATH 2414 Calculus and Analytic Geometry II	4
MATH 2413 Calculus and Analytic Geometry I	4	PHYS 2425 University Physics I	4
CHEM 1311 General Chemistry I	3	HIST 1302 U.S. History II Since 1877 ³	3
CHEM 1111 General Chemistry Lab	1	PHIL 2306 Ethics ¹	3
HIST 1301 US History 1763-1877 ³	3	Communications Elective ²	3
Creative Arts Elective ⁴	3		
TOTAL	17	TOTAL	17

SECOND YEAR

Fall Semester		Spring Semester	
<i>Course Name</i>	<i>Credit Hour</i>	<i>Course Name</i>	<i>Credit Hour</i>
MATH 2415 Calculus III	4	MEEN 2302 Dynamics	3
MEEN 2301 Statics	3	MEEN 2372 Mechanics of Solids	3
INEN 2373 Engineering Economics ⁵	3	MEEN 2374 Thermodynamics	3
PHYS 2426 University Physics II	4	ELEN 3310 Fundamentals of Electrical Engineering	3
MATH 2318 Linear Algebra	3	MATH 3301 Ordinary Differential Equations	3
TOTAL	17	TOTAL	15

THIRD YEAR

Fall Semester		Spring Semester	
<i>Course Name</i>	<i>Credit Hour</i>	<i>Course Name</i>	<i>Credit Hour</i>
INEN 3322 Engineering Materials and Manufacturing Processes	3	MEEN 3320 Mechanical Design I	3
MEEN 3380 Thermodynamics II	3	MEEN 3350 Computer-Aided Engineering	3
MEEN 3311 Fluid Mechanics	3	MEEN 3300 Design of Mechanisms	3
MEEN 3340 Engineering Analysis	3	MEEN 3310 Heat Transfer	3
POLS 2301 Intro to American Government I	3	MEEN 3210 Measurements Lab	2
		POLS 2302 Intro/American Government II	3
TOTAL	15	TOTAL	17

FOURTH YEAR

Fall Semester		Spring Semester	
<i>Course Name</i>	<i>Credit Hour</i>	<i>Course Name</i>	<i>Credit Hour</i>
MEEN 4310 Integrated Systems Design	3	MEEN 4316 Engineering Design Project	3
MEEN 4110 Seminar	1	MEEN 4317 Dynamic Systems Design	3
MEEN 4323 Mechanical Design II	3	MEEN Elective	3
MEEN 4313 Thermal Systems Design	3	INEN 4320/MATH 3370 ⁶	3
MEEN 4319 Materials Science	3		
MEEN Elective	3		
TOTAL	16	TOTAL	12

All STEM courses require a grade of 'C' or better to satisfy degree plan/prerequisite requirements.

1. PHIL 2306 or PHIL 1370
2. Choose one: COMM 1315, COMM 1321, DSDE 1371, FREN 1311, or SPAN 1311
3. Choose two: HIST 1301, HIST 1302, HIST 2301
4. Choose one: ARTS 1301, ARTS 1303, DANC 2304, MUSI 1306, MUSI 1310, COMM 1375, PHIL 1330, THEA 1301
5. Social and Behavioral Sciences elective is INEN 2373 Engineering Economics
6. INEN 4320 or MATH 3370 or another calculus-based probability and statistics course approved by the Mechanical Engineering Department Chair.