MECHANICAL ENGINEERING MAJOR

Plan of Study

Title

Course

ELEG 2213

A typical, full-time, four-year plan of study appears below. Some variation may be possible. Students should always discuss their individual plan of study with their advisor prior to registering for courses.

Credits

3

Course	Title	Credits
First Year		
Fall		
ENGR 1031	Fundamentals of Engineering	3
MATH 1141	Calculus I for Chemistry, Engineering, and Physics Majors	4
PHYS 1171	General Physics I	3
PHYS 1171L	General Physics I Lab	1
History Orientation		3
	Il Language Orientation Level ⁵	3
Wodern, Oldssied	Credits	17
Spring	Cieuts	.,
ENGL 1001	Introduction to Rhetoric and Composition	3
ENGR 2130	Engineering Graphics I	3
MATH 1142	Calculus II for Chemistry, Engineering, and Physics Majors	4
PHYS 1172	General Physics II	3
PHYS 1172L	General Physics II Lab	1
Religious Studies	s Orientation Level ¹	3
	Credits	17
Second Year		
Fall		
CHEM 1171	General Chemistry I	3
CHEM 1171L	General Chemistry I Lab	1
MATH 2243	Calculus III for Chemistry, Engineering, and Physics Majors	4
MEEG 2201	Engineering Statics	3
MEEG 2206L	Mechanics Lab	1
MEEG 2207	Materials Science	3
Visual and Perfor	rming Arts Exploration Tier ⁶	3
	Credits	18
Spring		
ENGR 2145	Mathematical Analysis	3
ENGR 2145P	Mathematical Analysis PLG	0
MATH 2251	Ordinary Differential Equations	3
MEEG 2203	Kinematics and Dynamics	3
MEEG 2307L	Dynamics Systems Lab	1
MEEG 3308	Strength of Materials	3
PHIL 1101	Introduction to Philosophy	3
	Credits	16
Third Year		
Fall		

Introduction to Electric Circuits

	Total Credits	134
	Credits	18
Literature Explor	ation Tier ⁷	3
History or Philosophy or Religious Studies Exploration Tier ²		3
Major Elective ⁴		3
Major Elective ⁴		3
Major Elective ⁴		3
ENGR 4962	Senior Design Project II	3
Spring	oreans	10
Major Elective	Credits	16
Major Elective 4		3
Major Elective ⁴	Lifergy Hallster Lab	3
MEEG 4350L	Energy Transfer Lab	1
MEEG 4323	Heat Transfer	3
MEEG 4325	Engineering Systems Dynamics	3
Fall ENGR 4961	Senior Design Project I	3
Fourth Year		
	Credits	16
Behavioral and S	Social Sciences Exploration Tier ³	3
MEEG 3348L	Thermal and Fluids Lab	1
MEEG 3347	Fluid Mechanics	3
MEEG 3342	Applications of Thermodynamics	3
MEEG 3318	Finite Element Analysis	3
	ophy or Religious Studies Exploration Tier ²	3
Spring		
14,7777 0002	Credits	16
MATH 3332	Partial Differential Equations	3
	Social Sciences Exploration Tier ³	3
MEEG 3311	Machine Design	3
ELEG 2213L MEEG 3241	Principles of Thermodynamics	3

- Choose an appropriate History or Religious Studies course at the 1000 level.
- Choose any appropriate Religious Studies, History, or Philosophy core course.
- Core Social Science course may be fulfilled by appropriate courses in Communication, Economics, Psychology, Politics, or Sociology and Anthropology.
- Major electives are chosen from the department, but may be chosen with approval of advisor and Department Chair from among other courses offered in the School of Engineering and Computing.
- Choose any language offered by the Department of Modern Languages and Literatures, based on a placement exam.
- Visual and Performing Arts courses may be chosen from Art History, Music, Film, Television, and Media Arts, Studio Art, or Theatre.
- Approved English, Modern Languages and Literatures, or Classics courses.