

PROPOSED APPLIED MECHANICAL ENGINEERING CURRICULUM

Course	Title	LT	LB	CR	Course	Title	LT	LB	CR
FIRST YEAR (Freshman)									
CHEM 1xx	Chemistry	3	3	4	ENGL 1xx	English Composition II	3	0	3
ENGL 1xx	English Composition I	3	0	3	MATH 102	Calculus II	4	0	4
MATH 1xx	Calculus I	4	0	4	PHYS 1xx	Physics II	3	3	4
PHYS 1xx	Physics I	3	3	4	ICS 1xx	Computer Programming	2	3	3
IAS 1xx	Objective Writing	2	0	2	ENG 1xx	Introduction to Engineering	2	0	2
PE 1xx	Psychical Education I	1	0	1	PE 1xx	Psychical Education II	1	0	1
		16	6	18			15	6	17
SECOND YEAR (Sophomore)									
ENGL 2xx	Technical Report Writing	3	0	3	AME 2xx	Vector Mechanics: Dynamics	3	0	3
AME 2xx	Thermodynamics I	3	0	3	AME 2xx	Thermodynamics II	3	0	3
MATH 2xx	Calculus III	3	0	3	MATH 2xx	Elem. Diff. Equations	3	0	3
CE 2xx	Vector mechanics: Statics	3	0	3	AME 2xx	Materials Science for ME	3	3	4
AME 2xx	ME Drawing & Graphics	2	3	3	EE 2xx	Electric Circuits	2	3	3
CE 2xx	Eng Mechanics of Materials	3	0	3	IAS 2xx	Technical Arabic Writing	2	0	2
		17	6	18			16	6	18
THIRD YEAR (Junior)									
EE 306	Electromechanical Machines	2	3	3	STAT 3xx	Prob. & Stat. for Engineers	2	3	3
AME 3xx	Manufacturing Processes	3	3	4	AME 3xx	Mechanics of Machines	3	0	3
MATH 3xx	Methods of Applied Math.	3	0	3	AME 3xx	Automotive Component Design	3	0	3
AME 3xx	Design of Machine elements	3	0	3	ECON 3xx	Engineering Economics	3	0	3
AME 3xx	Fluid Mechanics	3	3	4	AME 3xx	Heat Transfer	3	3	4
IAS 3xx	Human Rights in Islamic				IAS 3xx	Ethics in Islam	2	0	2
		14	9	17			16	6	18
Summer Session		AME 4xx		Coop Training-I			0	0	0
FOURTH YEAR (Senior)									
AME 4xx	Coop Training-II	0	0	6	AME 4xx	Senior Design Project	3	0	3
					AME 4xx	Internal Combustion Engines	2	3	3
					AME 4xx	Vehicle Dynamics & Control	2	3	3
					AME 4xx	Automotive Noise & Vib.	2	3	3
					AME 4xx	AME Elective	3	0	3
					XE 4xx	Technical Elective	3	0	3
		0	0	6			17	9	18
Total Credits Required: 132									

Color Key: ■ Common Courses throughout all engineering disciplines
■ Interdisciplinary engineering courses
■ ME Courses

Basic science & Math=32Hrs,

Humanities & Social=17Hrs