

TAMS Computer Science/Engineering to Mechanical and Energy Engineering

Year One

FALL		SPRING	
MATH 1650, Pre-Calculus	5	MATH 1710, Calculus I	4
ENGL 1315, Writing I	3	ENGL 1325, Writing II	3
PSCI 2305 or 2306, Government	3	CHEM 1420, Chemistry II	3
CHEM 1410, Chemistry I	3	CHEM 1440, Chemistry II Lab	1
CHEM 1430, Chemistry I Lab	1	CSCE 1030, Computer Science I	4
Seminar	0	Seminar	0
Total hours	15	Total hours	15

Year Two

FALL		SPRING		SUMMER	
MATH 1720, Calculus II	3	PHYS 2220, Electricity and Magnestim	3	TECM 2700, Technical Writing	3
PHYS 1710, Mechanics	3	PHYS 2240, Electricity and Magnestim Lab	1	MATH 2700, Linear Algebra	3
PHYS 1730, Mechanics Lab	1	ENGL 2220, World Literature	3	MEEN 2302, Mechanics II	3
ENGL 2210, World Literature	3	HIST 2620, U.S. History II	3	MEEN 2332, Mechanics III	3
HIST 2610, U.S. History I	3	MATH 2730, Multivar. Calculus	3	Total hours	12
CSCE 1040, Computer Science II	3	MEEN 2301, Mechanics I	3		
MEEN 1000, Discover Mechanical	3	Seminar	0		
Seminar	0	Total hours	16		
Total hours	19				

Year Three

FALL		SPRING		SUMMER	
MATH 3410, Differential Equations	3	MEEN 3110, Thermodynamics II	3	MEEN 3130, Machine Elements	3
ENGR 1304, Engineering Graphics	3	MEEN 3120, Fluids	3	MEEN 3210, Heat Transfer	3
MEEN 2210, Thermodynamics	3	MEEN 3240, Lab I	2	MEEN 3230, Dynamics and Controls	3
MEEN 2240, Programming	3	MEEN 3250, Analytical Methods	3	Total hours	9
MEEN 2110, Data Analysis	2	MTSE 3000, Fundamentals I	3		
EENG 2610 or ENGR 2405, Circuits	3	MTSE 3003, Fundamentals I Lab	1		
Total Hours	17	Total Hours	15		

Year Four

FALL		SPRING	
MEEN 3100, Manufacturing	3	MEEN 4250, Design II	3
MEEN 3242, Lab II	1	MEEN Technical Elective	3
MEEN 4150, Design I	3	MEEN Energy Elective	3
MEEN Technical Elective	3	PSCI 2305 or 2306, Government	3
MEEN Energy Elective	3	Social and Behavioral Sciences Core	3
Creative Arts Core	3	Total Hours	15
Total Hours	16		