TAMS Computer Science/Engineering to Mechanical and Energy Engineering - Sample Unofficial Schedule 2023-2024 Catalog Year

Year One

FALL		SPRING	
MATH 1710, Calculus I	4	MATH 1720, Calculus II	3
ENGL 1315, Writing I	3	ENGL 1325, Writing II	3
CSCE 1030, Computer Science I	4	CSCE 1040, Computer Science II	3
CHEM 1410, Chemistry I	3	CHEM 1420, Chemistry II	3
CHEM 1430, Chemistry I Lab	1	CHEM 1440, Chemistry II Lab	1
Seminar	0	Seminar	0
Total hours	15	Total hours	13

Year Two

FALL		SPRING	
MATH 2730, Multivar. Calculus	3	MATH 2700, Linear Algebra	3
PHYS 1710, Mechanics	3	PHYS 2220, Electricity and Magnestim	3
PHYS 1730, Mechanics Lab	1	PHYS 2240, Electricity and Magnestim Lab	1
ENGL 2331, Literature	3	PSCI 2305 or 2306, Government	3
HIST 2610, U.S. History I	3	HIST 2620, U.S. History II	3
MEEN 1000, Discover Mechanical	3	ENGR 2301, Statics	3
Seminar	0	TECM 2700, Technical Writing	3
		Seminar	0
Total hours	16	Total hours	19

SUMMER	
ENGR 2302, Dynamics	3
ENGR 2332, Mechanics of Materials	3
Total hours	6

Year Three

FALL		SPRING	
MATH 3410, Differential Equations	3	MEEN 3110, Thermodynamics II	3
ENGR 1304, Engineering Graphics	3	MEEN 3120, Fluids	3
MEEN 2210, Thermodynamics	3	MEEN 3240, Lab I	2
MEEN 2240, Programming	3	MEEN 3250, Analytical Methods	3
MEEN 2110, Data Analysis	3	ENGR 3450, Engineering Materials	4
Total Hours	15	Total Hours	15

SUMMER	
EENG 2610, Circuits	3
Total hours	3

Year Four

FALL		SPRING	
MEEN 3100, Manufacturing	3	MEEN 4150, Design I	3
MEEN 3130, Machine Elements	3	*MEEN Technical Elective	3
MEEN 3242, Lab II	1	*MEEN Energy Elective	3
MEEN 3210, Heat Transfer	3	Creative Arts Core	3
MEEN 3230, Dynamics and Controls	3	Total Hours	12
PSCI 2305 or 2306, Government	3		
Total Hours	16		

Year Five

FALL	
MEEN 4250, Design II	3
*MEEN Technical Elective	3
*MEEN Energy Elective	3
Social and Behavioral Sciences Core	3
Total Hours	12

*Master of Science Grad Track Option Available.
Completion of 9 hours of grad track during bachelor's degree plan results in 21-24 hours to earn master's degree.