TAMS Computer Science/Engineering to Mechanical Engineering Technology - 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	
PHYS 1710, Mechanics	3	PHYS 2220, Electricity and Magnestim	3
PHYS 1730, Mechanics Lab	3	PHYS 2240, Electricity and Magnestim Lab	1
ENGL 2331, Literature	1	TECM 2700, Technical Writing	3
HIST 2610, U.S. History I	3	HIST 2620, U.S. History II	3
ENGR 1030, Technological Systems	3	ENGR 2301, Statics	3
Seminar	0	Seminar	0
Total hours	13	Total hours	13

SUMMER	
PSCI 2305 or 2306, Government	3
ENGR 2302, Dynamics	3
ENGR 2332, Mechanics of Materials	3
Total hours	9

Year Three

FALL		SPRING	
ENGR 1304, Engineering Graphics	3	EENG 2610, Circuits	3
ENGR 3450, Engineering Materials	4	EENG 2611, Circuits Lab	1
MEET 3940, Fluid Mechanics	3	MEET 3980, Digital Controls	3
MEET 3990, Thermodynamics	3	MEET 3650, Mechanical Components	3
MFET 3110, Machining Principles	4	MFET 4190, Quality Assurance	3
Total Hours	17	MFET 4210, CAD/CAM Systems	3
		Total Hours	16

SUMMER	
PSCI 2305 or 2306, Government	3
Creative Arts Core	3
Total hours	6

Year Four

FALL		**SPRING**	
MEET 4050, Mechanical Design	3	MEET 4360, Thermal Science	3
MEET 4350, Heat Transfer	3	MEET 4790, Design II	3
MEET 4780, Design I	1	Advanced Technical Elective	3
MFET 4200, Cost Analysis	3	Advanced Technical Elective	2
Advanced Technical Elective	3	Social and Behavioral Science	3
Total Hours	13	Total Hours	14

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.