

## TAMS Computer Science/Engineering to Mechanical Engineering Technology 2020-2021 Catalog Year

### 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	
MATH 1720, Calculus II	3	PHYS 2220, Electricity and Magnestim	3
PHYS 1710, Mechanics	3	PHYS 2240, Electricity and Magnestim Lab	1
PHYS 1730, Mechanics Lab	1	ENGL 2220, World Literature	3
ENGL 2210, World Literature	3	HIST 2620, U.S. History II	3
HIST 2610, U.S. History I	3	ENGR 2301, Statics	3
CSCE 1040, Computer Science II	3	ENGR 1030, Technological Systems	3
Seminar	0	Seminar	0
Total hours	16	Total hours	16

SUMMER	
TECM 2700, Technical Writing	3
ENGR 2302, Dynamics	3
ENGR 2332, Mechanics of Materials	4
Total hours	10

### Year Three

FALL		SPRING	
ENGR 1304, Engineering Graphics	3	ENGR 2405, Circuits	3
ENGR 3450, Engineering Materials	4	ENGR 2415, Circuits Lab	1
MEET 3940, Fluid Mechanics	3	ELET 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**

<b>FALL</b>		<b>SPRING</b>	
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
Advanced Technical Elective	3	Total Hours	14
Total Hours	16		

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.