TAMS Traditional Science to Biomedical 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
BIOL 1711, Biology I	3	BIOL 1722, Biology II	3
BIOL 1761, Biology Lab	2	CHEM 1420, Chemistry II	3
CHEM 1410, Chemistry I	3	CHEM 1440, Chemistry II Lab	1
CHEM 1430, Chemistry I Lab	1	BMEN 1400, Software for BMEN	4
Seminar	0	Seminar	0
Total hours	16	Total hours	17

Year Two

FALL		SPRING	
MATH 2700, Linear Algebra	3	MATH 3410, Differential Equations	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	TECM 2700, Technical Writing	3
HIST 2610, U.S. History I	3	HIST 2620, U.S. History II	3
BMEN 1300, Discover BMEN	3	BMEN 2320, Instrumentation	4
BMEN 2210, DAQ Practices	3	PSCI 2305 or 2306, Government	3
Total hours	19	Total hours	20

Year Three

FALL		SPRING	
MATH 2730, Multivariable Calculus	3	BMEN 3312, Intro. to Biomechanics	3
BMEN 3310, Human Systems	3	BMEN 3321, Biomaterials	3
BMEN 3311, Signal Analysis	3	Elective Track Course	3
BMEN 3350, Transport Phenomena	3	Elective Track Course	3
PSCI 2305 or PSCI 2306, Government	3	Elective Track Course	3
Elective Track Course	3	Creative Arts Core	3
Total Hours	18	Total Hours	18

Year Four

FALL		SPRING	
BMEN 4007, Experimental Design & Data	3	BMEN 4222, Senior Design II	3
*BMEN 4212, Senior Design I	3	*BMEN 4***, BMEN Elective	3
*BMEN 4***, BMEN Elective	3	*BMEN 4***, BMEN Elective	3
Elective Track Course	3	Elective Track Course	3
Elective Track Course	3	Social and Behavioral Sciences Core	3
Total Hours	15	Total Hours	15

*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.