TAMS Computer Science/Engineering to Computer Engineering: 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	PSCI 2305 or 2306, Government	3
CSCE 1040, Computer Science II	3	CSCE 2100, Discrete Foundations	3
ENGR 2720, Logic Design	3	CSCE 2110, Data Structures Foundations	3
ENGR 2730, Logic Design Lab	1	Total hours	19
Total hours	20		

SUMMER	
MATH 2730, Multivar. Calculus	3
MATH 2700, Linear Algebra	3
Total hours	6

Year Three

FALL		SPRING	
CSCE 2610, Assembly and Organization	3	CSCE 3600, Systems Programming	3
ENGR 2405, Circuits	3	CSCE 3612, Embedded Systems	3
ENGR 2415, Circuits Lab	1	EENG 3510, Electronics I	3
MATH 1780, Probablity	3	Advanced Math or Science	3
TECM 2700, Technical Writing	3	Social and Behavioral Sciences Core (Adv)	3
Creative Arts Core (Adv)	3	Total Hours	15
Total Hours	16		

Year Four

FALL		SPRING	
CSCE 3010, Signals and Systems	3	CSCE 3020, Communications Systems	3
CSCE 3730, Reconfigurable Logic	3	CSCE 4011, Engineering Ethics	3
CSCE 4910, Design I	3	CSCE 4915, Design II	3
*Specialization Course	3	*Specialization Course	3

*Specialization Course	3	Total Hours	12
Total Hours	15		

*Master of Science Grad Track Option Available.
Completion of 9 hours of grad track during bachelor's degree plan results in 21-27 hours to earn master's degree.