

**TAMS Computer Science/Engineering to Electrical 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	MATH 2730, Multivar. Calculus	3
CSCE 1040, Computer Science II	3	EENG 2710, Logic Design	3
EENG 1910, Learning to Learn	3	EENG 2711, Logic Design	1
Seminar	0	Seminar	0
Total hours	19	Total hours	17

SUMMER	
TECM 2700, Technical Writing	3
MATH 3410, Differential Equations	3
MATH 2700, Linear Algebra	3
EENG 2610, Circuits	3
EENG 2611, Circuits Lab	1
Total hours	13

Year Three

FALL		SPRING	
EENG 2620, Signals and Systems	3	EENG 3520, Electronics II	3
EENG 2621, Signals and Systems Lab	1	EENG 3710, Computer Organization	3
EENG 2920, Analog Circuit Design	3	EENG 3810, Communications Systems	3
EENG 3510, Electronics I	3	EENG 3811, Communications Systems Lab	1
EENG 3511, Electronics I Lab	1	EENG 3910, DSP System Design	3
MATH 3680, Statistics	3	EENG 3920, Modern Comm. System	3
PSCI 2305 or 2306, Government	3	Creative Arts Core	3
Total Hours	17	Total Hours	19

Year Four

FALL		SPRING	
*EENG Elective	3	*EENG Elective	3
*EENG Elective	3	EENG Elective	3
EENG 3410, Electromagnetics	3	EENG 4990, Design II	3
EENG 3411, Electromagnetics Lab	1	MGMT 3850, Entrepreneurship	3
EENG 4910, Design I	3	Social and Behavioral Sciences Core	3
OPSM 3830, Operations Mgmt.	3	Total Hours	15
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.