

New Jersey Center for Science, Technology & Mathematics (NJCSTM)

Bachelor of Science in Science & Technology / Mathematics Master of Art in Instruction & Curriculum / Science & Technology Option / Math Education Five Year Pathway to Graduation in the Math Education Option

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Name:	Date of Matriculation			
Student ID:	NJCSTM Mathematics Education Program Code 30104			
FRESHM	AN Y	EAR / NJCSTM-1		
Summer Session II Incoming Yr-1 GE 1000 Transition to Kean NJCSTM section	_1			
Fall Semester Yr-1		Spring Semester Yr-1		
ENG 1030 College Composition	3	COMM 1402 Speech Communication	3	
HIST 1062 Worlds of History	3	GE 2024 Research & Technology (NJCSTM section)	3	
STME 1403 Math & Computational Methods I	4	PSY 1000 Intro to Psychology	3	
STME 1401 Chemical Systems I	4	STME 1603 Math & Comp Methods II	4	
STME 2610 Current Issues in Science & Tech I	1	STME 1601 Chemical Systems II	4	
Total Credits (including entering summer credit)	16	Total Credits	17	
SOPHOM	ORE Y	YEAR / NJCSTM-2		
Fall Semester Yr-2		Spring Semester Yr-2		
MATH 3110 Introduction to Proofs	3	MATH 3451 Calculus III	3	
STME 2401 Physical Systems (Physics I)	4	PSY 2110 Adolescence Psychology	3	
STME 2403 Math & Computational Methods III	4	ID 1225 Health	3	
ENG 2403 World Literature	3	Free Elective	3	
EMSE 2801 Intro Field Exp Subject Area K-12	3	GE Approved Humanities	3	
		+ Take Praxis I		
		+ Apply to College of Education		
Total Credits	17	Total Credits	15	

JUNIOR YEAR / NJCSTM-3					
Fall Semester Yr-3		Spring Semester Yr-3			
STME 2601 Living Systems	4	MATH 3891 History of Mathematics	3		
STME 2603 Probabilistic Methods in Science	4	MATH 3544 Probability & Math Statistics	3		
MATH 3452 Calculus IV	3	MATH 3455 Differential Equations	3		
MATH 3342 Euclidean/Non Geometry	3	STME 3610 Current Issues in Sci & Tech II	1		
Free Elective	3	Free Elective	3		
		Free Elective	3		
		$+Apply$ for field placement by $April$ 15 th			
Total Credits	17	Total Credits	16		
SENIO	R YEA	AR / NJCSTM-4			
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Fall Semester Yr-4		Spring Semester Yr-3			
EDUC 3000 Curriculum, Evaluation & Learner	3	EMSE 3903 Tchng English Language Learners	1		
MATH 4805 Math Modeling & Applications	3	EMSE 3220 Mathematics Education K-12	3		
MATH 3225 Comp Matrix and Lin Algebra	3	EMSE 5320 Computers in School Curriculum	3		
EMSE 5315 Intro to Language Arts & Reading	3	EMSE 3801 Field Exp in Instruction K-12	2		
Major Elective	3	STME 4610 Science & Technology Seminar	3		
		$+Apply$ for field placement by $April\ 15^{th}$			
Total Credits	15	Total Credits	12		
TOTAL CREDITS REQUIRED FOR THIS	B.S. Sc	cience & Technology OPTION: 125 S.H.			
MASTERS YEAR / NJCSTM-5 MA INSTRUCTION & CURRICULUM / SCI & TECH / MATH Program code: 30662					
Summer Session I Yr-5		Summer Session II Yr-5			
Graduate Education Elective	3		3		
Graduate Education Elective	3	SPED 5024 Differentiating Instruction in the Inclusive Classroom	3		
Fall Semester Yr-5		Spring Semester Yr-5			
EMSE 5323 Theory & Practice Teaching Math	3	EMSE 5564 Professional Internship	6		
EMSE 5561 Foundations of Education	3	EMSE 5031 Action Research Integ. Seminar	3		
MATH 5770 Current Issues in Math Education Graduate Education Elective	3	STME 5610 Adv Science & Tech Seminar	3		
Total Credits	12	Total Credits	12		