

4 Year Plan
B.S. Science & Technology: Mathematics Option (36104)
School of Integrative Science and Technology

Year 01	Fall	STME 2000 & 2099 Math/Comp Methods I (3 cr) & Lab (1 cr)	STME 1000 & 1099 Chem Syst I (3 cr) & Lab (1 cr) OR STME 1700 & 1799 Liv Syst I (3 cr) & Lab (1 cr)	STME 1903 Research Methods (1 cr)	HIST 1062 Worlds of History (3 cr)	ENG 1030 College Composition (3 cr)	GE 1000 Transition to Kean (1 cr)	16	
	Winter								
	Spring	STME 2100 & 2199 Math/Comp Methods II (3 cr) & Lab (1 cr)	STME 1100 & 1199 Chem Syst II (3 cr) & Lab(1 cr) OR STME 1800 & 1899 Liv Syst II (3 cr) & Lab (1 cr)	<i>RFI Track:</i> STME 2903 Research Experience (2 cr)	GE 2024 Research & Tech (3 cr)	COMM 1402 Speech Comm (3 cr)		14-16	
	Summer								
Year 02	Fall	STME 1000 & 1099 Chem Syst I (3 cr) & Lab (1 cr) OR STME 1700 & 1799 Liv Syst I (3 cr) & Lab (1 cr)	STME 2700 & 2799 Physical Systems I (3 cr) & Lab (1 cr)	STME 2200 & 2299 Math/Comp Meth III (3) & Lab (1 cr)	<i>RFI Track:</i> STME 3903 Advanced Res Exp (3 cr)	PSY 1000 General Psychology (3 cr)		15-18	
	Winter								
	Spring	STME 1100 & 1199 Chem Syst II (3 cr) & Lab (1 cr) OR STME 1800 & 1899 Liv Syst II (3 cr) & Lab (1 cr) OR STME 2800 & 2899 Phy Syst II (3 cr) & Lab (1 cr)	MATH 3415 Calculus III (4 cr)	STME 2300 & 2399 Probabilistic Methods (3 cr) & Lab (1 cr)	EMSE 2801 Clinical Experience (3 cr)	PSY 2110 Psy of Adolescence (3 cr)		18	
	Summer								
Year 03	Fall	MATH 3110 Introduction to Proofs (3 cr)	ENG 2403 World Literature (3 cr)	MATH 3891 History of Math (3 cr)	Major Elective (3 cr)	Free Elective (3 cr)		15	
	Winter								
	Spring	<i>Non-RFI Track:</i> STME 3610 Current Issues (1 cr)	STME 4805 Mathematical Modeling (3 cr)	MATH 3455 Differential Equations (3 cr)	MATH 3225 Comp Methods in Matrix & Linear Algebra (3 cr)	MATH 3342 Euclidean & Non-Euclidean Geometry (3 cr)		12-13	
	Summer								
Year 04	Fall	EMSE 3220 Math Education K-12 (3 cr)	EMSE 5315 Lng Arts & Reading in Teaching Contents Area (3 cr)	EMSE 5320 Computer in the School Curriculum (3 cr)	Free Elective (3 cr)			12	
	Winter								
	Spring	STME 4610 Science & Tech Sem (3 cr)	EMSE 3903 Teach Eng Lang Learn (1 cr)	EDUC 3000 Curric, Eval & Learner (3 cr)	Free Elective (3 cr)	<i>Non-RFI Track:</i> Major Elective (4 cr)	GE Approved Humanities Req (3 cr)	13-17	
Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.							TOTAL REQUIRED	120	