

SCHOOL OF CURRICULUM & TEACHING in the COLLEGE OF EDUCATION
B.A. ELEMENTARY MIDDLE BILINGUAL EDUC K-6,5-8 (24117)
4 Year Plan MATHEMATICS

9/17/2019

Year 01	Fall	GE 1000/3000 Transition to Kean/Transfer Transitions 1 cr	ENG 1030 College Composition 3 cr	MATH 1010 or 1016 or 1030 or 1054 3 cr	COMM 1402 Speech Communication 3 cr	AH 1700 Art History (or ID 1500) 3 cr	EMSE 1996 Freshman Research (OPTIONAL; may be taken twice for credit) 1 cr	13 to 14	
	Winter								
	Spring	ENG 2403 World Literature 3 cr	MUS 1050 or 1000 Music 3 cr	HIST 1062 Worlds of History 3 cr	PSY 1000 Psychology 3 cr	ES 1010 World Geography 3 cr	GE 2022 Research & Technology 3 cr	18	
	Summer	BIO 1000 Principles of Biology 4cr						4	
Year 02	Fall	MATH 2415 Calculus 1 (4cr)	2ND Science (Bio/Chem/ES/ENV/Forensic Sci/ID/Phys/Sustain) 3-4cr	PSY 2100 Child Psychology 3 cr	ID 2052 Human Exceptionality 3 cr	ID 2950 The Child and Technology 3 cr		15 to 16	
	Winter								
	Spring	EMSE 2800 Sophmore Field Experience 3 cr	HIST 2303 or HIST 2304 3 cr	PSY 2110 Psychology of Adolescence 3 cr	MATH 2416 Calculus II (4cr)	MATH 2995 Matrix and Linear Algebra (3 cr)		16	
	Summer	MATH 2526 Applied Statics 1 (3cr)						3	
Year 03	Fall	EDUC 3000 Curriculum Eval Learner 3 cr	EMSE 3140 Social Studies Cont. Issues 3 cr	MATH 3110 Intro to Proofs (3cr)	HIST 2303 or HIST 2304 3 cr	MATH 3415 Calculus III (4cr)		16	
	Winter								
	Spring	EMSE 3410 Teaching Tech Bil/Bicult Stud 3 cr	EMSE 4440 Intro Bilingual Education 3 cr	MATH 3342 Euclidean and Non-Eucl Geometry (3cr)	MATH Elective (3cr)	MATH Elective (3cr)		15	
	Summer	MATH 3544 Probability and Math Statistics (3cr)	MATH 3891 History of Math (3cr)					6	
Year 04	Fall	EMSE 3420 Basic theory/Practice ESL 3 cr	EMSE 4712 Clinical Practice I 3 cr	EMSE 3123 Math & Sci Elem Educ 3 cr	EDUC 3400 Langt/Rdg in Pre/Elem Curr 3 cr	EMSE 4441 Hist & Culture LEP/ELL Stud 3 cr		15	
	Winter								
	Spring *	EMSE 4812 Professional Internship 9 cr	EMSE 4900 Senior Seminar 3 cr					12	
TOTAL								138-135	

Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.