

							Recommended Credits		
Year 01	Fall	GE 1000/3000 Transition to Kean/Transfer Transitions 1 cr	ENG 1030 College Composition 3 cr	MATH 1000 or 1010 or 1016 or 1030 3 cr	COMM 1402 Speech Communication 3 cr	BIO 1000 Prin of Biology 4cr	AH 1700 Art History 3 cr	17	
	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	EMSE 1996 Freshman research (OPTIONAL; may be taken up to twice for credit) 1 cr						1	
Year 02	Fall	MATH 1054 3 cr	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	CHEM 1083 Gen Chem 4cr		16 to 17	
	Winter								
	Spring	EMSE 2800 Sophomore Field Experience 3 cr	HIST 2303 or HIST 2304 3 cr	Free Elective 1000-2000 level 2 cr	CHEM 1084 Gen Chem II 4cr	PHYS 2091 Gen Physics 4cr		16	
	Summer								
Year 03	Fall	EDUC 3000 Curriculum Eval Learner 3 cr	EMSE 3140 Social Studies Cont. Issues 3 cr	HIST 2303 or HIST 2304 3 cr	CHEM 2491 Inorganic Chem 3cr	CHEM 2581 Organic Chem 3cr		15	
	Winter								
	Spring	EMSE 3410 Teaching Tech Bil/Bicult Stud 3 cr	EMSE 4440 Intro Bilingual Education 3 cr	PHYS 2092 Gen Physics II 4cr (recommended)	CHEM 2582 Organic Chem II 3cr	ID 2950 The Child and Technology 3 cr		12 to 16	
	Summer								
Year 04	Fall	EMSE 3420 Basic theory/Practice ESL 3 cr	EMSE 4710 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 4810 Professional Internship 9 cr	EMSE 4900 Senior Seminar 3 cr					12	
		Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.					TOTAL	121-127	

SCHOOL OF CURRICULUM & TEACHING in the COLLEGE OF EDUCATION  
 B.A. ELEMENTARY MIDDLE BILINGUAL EDUC K-6 (24116)  
 4 Year Plan- CHEMISTRY/PHYSICS option