

								Required Credits	
Year 01	Fall	GE 1000/3000 Transition to Kean/Transfer Transitions (1 cr)	ENG 1030 College Composition (3 cr)	MATH 1054 Precalculus (3 cr)	BIO 1300 General Biology I (4 cr)	CHEM 1083 Chemistry I (4 cr)		15	
	Winter								
	Spring		GE 2024 Research and Technology (3 cr)	MATH 2415 Calculus I or MATH 1016 Statistics (3 - 4 cr)	Bio 1400 General Biology II (4 cr)	CHEM 1084 Chemistry II (4 cr)		14-15	
	Summer								
Year 02	Fall		COMM 1402 Speech Communication (3 cr)	ID 2052 Human Exceptionality (3 cr)	BIO 2500 Principles of Botany (4 cr)	PSY 1000 General Psychology (3 cr)	EMSE 2801 Clinical Experience I in Subject Area Instruction K-12 (3 cr)	16	
	Winter								
	Spring		PSY 2110 Psychology of Adolescence (3 cr)	PHSY 2091 Physics I (4 cr)	BIO 3400 Zoology Form and Function (4 cr)	HIST 1062 Worlds of History (3 cr)	ENG 2403 World Literature (3 cr)	17	
	Summer								
Year 03	Fall		ES 1000 Observing Earth (3 cr)	BIO 3709 Genetics (4 cr)	BIO 3614 Principles of Ecology (4 cr)	GE approved Social Science (3 cr)	EDUC 3000 Curriculum Evaluation and the Learner (3 cr)	17	
	Winter								
	Spring		EMSE 3122 Technology in Education (3)	BIO 4970 Seminar Integrative Biology (3 cr)	Biology Major Elective (2-3 cr)	GE approved Humanities (3 cr)	EDUC 3401 Language Arts/Reading in K-12 Subject Area Teaching (3 cr)	14-15	
	Summer								
Year 04	Fall		EMSE 3230 Science Education K-12 (3 cr)	EMSE 3903 English Language Learners in American Schools (1 cr)	EMSE 4711 Clinical I Practice in Subject Area Instruction K-12 (3 cr)	GE approved Humanities (3 cr)	BIO Major Elective (3-4 cr)	13-14	
	Winter								
	Spring *		EDUC 4000 Teacher and the Classroom (3 cr)	EMSE 4811 Clinical II Practice in Subject Area Instruction K-12 (9 cr)				12	
							TOTAL	190	

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

*Students who place into MATH 0901 or MATH 1000 are encouraged to take these in the summer, prior to their freshman year, to avoid delaying their progress into biology major courses.