

4 Year Plan

The Dorothy and George Hemmings College of Science, Mathematics and Technology/School of Natural Sciences
(70191) B.A. BIOLOGY EDUCATION/TSD

Effective 9/1/2023

Year	Term	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	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)	HIST 1062 Worlds of History (3 cr)	18	
	Winter								
	Spring		GE 2024 Research and Technology (3 cr)	MATH 2415 Calculus 1 or MATH 1016 Statistics (3 - 4 cr)	Bio 1400 General Biology II (4 cr)	CHEM 1084 Chemistry II (4 cr)	PSY 1000 General Psychology (3 cr)	17-18	
	Summer								
Year 02	Fall		COMM 1402 Speech Communication (3 cr)	PSY 2110 Psychology of Adolescence (3 cr)	BIO 2500 Principles of Botany (4 cr)	PHSY 2091 Physics I (4 cr)	EMSE 2801 Clinical Experience I in Subject Area Instruction K-123 (3 cr)	17	
	Winter								
	Spring		ID 3051 Computer Technology in Today's Society (3 cr)	ENG 2403 World Literature (3 cr)	BIO 3400 Zoology Form and Function (4 cr)	ID 2052 Human Exceptionality (3 cr)	SPED 2200 The Multicultural Learner in Diverse Settings (3 cr)	16	
	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		GE approved Humanities (3 cr)	BIO Major Elective (3 - 4 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)	14-16	
	Summer								
Year 04	Fall		SPED 3000 Principle and Practices for the Contemporary Educator (3 cr)	EMSE 3230 Science Education K-12 (3 cr)	EMSE 4711 Clinical I Pract. in Sub. area K-12 (3 cr)	ID 3163 Classroom Management (3 cr)	BIO 4790 Seminar Integrative Biology (3 cr)	15	
	Winter								
	Spring *		SPED 4200 Clinical II Capstone (3 cr)	EMSE 4811 Clinical III Practice in Sub. Area Instruction K-12 (9 cr)				12	

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

TOTAL

128

*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.