

Year 01	Fall		ENG 1030 College Composition (3 cr)	MATH 1054 Precalculus (3 cr)*	GE 1000 Transition to Kean (1 cr)	BIO 1300 General Biology I (4 cr)	CHEM 1083 General Chemistry I (4 cr)	15	
	Winter								
	Spring	COMM 1402 Speech Communication (3 cr)	PSY 1000 General Psychology (3 cr)	Free Elective (3 cr)	BIO 1400 General Biology II (4 cr)	CHEM 1084 General Chemistry II (4 cr)		17	
	Summer								
Year 02	Fall	PHYS 2091 General Physics I (4 cr)	GE 2024 Research and Technology (3 cr)	CHEM 2581 Organic Chemistry I Lecture (3 cr)	CHEM 2581L Organic Chemistry I Lab (1 cr)	BIO Major Elective (1-4 cr)		12--14	
	Winter								
	Spring	PHYS 2092 General Physics II (4 cr)	HIST 1062 Worlds of History (3 cr)	CHEM 2582 Organic Chemistry II Lecture (3 cr)	CHEM 2582L Organic Chemistry II Lab (1 cr)	BIO 3709 Principles of Genetics (4 cr)		15	
	Summer								
Year 03	Fall	BIO Major Elective (1-4 cr)	MATH 1016 Statistics (3 cr)	ENG 2403 World Literature (3 cr)	BIO 3315 & 3315L Principles of Microbiology (4 cr)	GE Approved Social Science (3 cr)		14-17	
	Winter								
	Spring	MATH 2415 Calculus I (4 cr)	GE Approved Humanities (3 cr)	BCHM 4115 & 4115L Biochemistry (4 cr)	BIO Major Elective (4 cr)			15	
	Summer								
Year 04	Fall	BIO 4316 & 4316L Immunology (4 cr)	BIO Major Elective (3-4 cr)	BIO Major Elective (4 cr)	Free Elective (3 cr)	Free Elective (1-2 cr)		15-17	
	Winter								
	Spring	BIO 4225 Cell Phys. OR BIO 4325 Appl. Micro. OR BIO 4700 Molec. Gen. (4 cr)	Free elective (3 cr)	BIO 4970 Seminar in Integrative Biology (3 cr)	Free Elective (3 cr)	BIO 2910 Essentials of Bioinformatics (3)		16	
Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.							TOTAL REQUIRED	120	

*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.