College/School Name: College of Natural, Applied and Health Sciences/School of N

B.S. in Biology, Health Professions Option (70304)

4 Year Plan

Date: 9/10/19

Kean University 120 S.H.

								Recommended Credits	
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)	MATH 2415 Calculus I (4 cr)	BIO 1400 General Biology II (4 cr)	CHEM 1084 General Chemistry II (4 cr)		18	
	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 3709 Principles of Genetics (4 cr)		15	
	Winter								
	Spring	1 of 5 Concentration Courses* (3-4 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 3403 Anatomy & Phsyiology I (4 cr)		14-15	
	Summer								
Year **03**	*Fall*	BIO 3404 Anatomy and Physiology II (4 cr)	MATH 1016 Statistics (3 cr)	ENG 2403 World Literature (3 cr)	Free Elective (PA & PT take HED 3231) (3 cr)	1 of 5 Concentration Courses* (3-4 cr)		17	
	Winter								
	Spring	BIO 3315 & 3315L Principles of Microbiology (4 cr)	GE Approved Humanities (3 cr)	BIO Major Elective (3-4 cr)	1 of 5 Concentration Courses* (3-4 cr)			13-15	
	Summer								
Year **04**	*Fall*	BIO 4315 Immunology (3 cr)	BIO 3406 Neuroscience (4 cr)	1 of 5 Concentration Courses* (3-4 cr)	BIO Major Elective (3-4 cr)			13-15	
	Winter								
	Spring	BIO 3450 Biological Aspects of Aging (3 cr)	Free Elective (1-4 cr)	BIO 4970 Seminar in Integrative Biology (3 cr)	1 of 5 Concentration Courses* (3-4 cr)	Free Elective (3 cr)		13-17	
		Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.					**TOTAL REQUIRED**	**120**	

**PA Concentration Courses: BIO 3400 (4 cr), BIO 4115 & 4115L (4 cr), BIO 3000(3 cr), HED 3600 or BIO 3200 (3 cr), PED 3115 (3 cr)*

**PT Concentration Courses: EXSC 3503, EXSC 3510, HED 3600 or Bio 3200, PHYS 2092 (4 cr), PSY 3540 or 3100 (3 cr)*

**OT Concentration Courses: PSY 3200 (3 cr), PSY 3540 (3 cr), PSY 3110 (3 cr), ANTH 1800 or SOC 1000 (3 cr), OT 2400 (3 cr)*

*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.