

KEAN UNIVERSITY - COLLEGE OF NATURAL & APPLIED HEALTH SCIENCES
(70304) B.S. IN BIOLOGY: Health Professions Option 120 S.H.

For students graduating from Ocean County College with the A.S. in General Studies with a concentration in science transferring to Kean University

Minimum GPA required for declaration into major and graduation: 2.5

Kean University Courses are in Blue (55-59 S.H.) Ocean County College Courses are in Green (61-65 S.H.)

EFFECTIVE DATE: Fall 2019

See the Current Undergraduate Academic Catalog for Requirements to Graduate with Honors

GENERAL EDUCATION: 32 S.H. Foundation Requirements ¹ : 13 S.H.				ACADEMIC MAJOR REQUIREMENTS ^{***} : 40-41 S.H. MAJOR REQUIRED COURSES ^{***} : 34 S.H.						
GE 3000 Transfer Transitions ²		1	BIO 1300 General BIO I ⁶		BIOL 161 Biology I		4			
ENG 1030 College Composition ³	ENG 151 English I	3	BIO 1400 General BIO I ⁶		BIOL 162 Biology II		4			
MATH 1054 Precalculus ⁴	MATH 192	3	BIO 3315 Principles of Microbiology ⁸				3			
COMM 1402 Speech Comm	MATH 191	3	BIO 3315L Principles of Microbiology Lab ⁸				1			
GE 2024 Research & Technology	ENGL 152 English 2	3	BIO 3403 Anatomy & Physiology I				4			
DISCIPLINARY & INTERDISCIPLINARY Distribution Requirements ¹ : 19 S.H.			BIO 3404 Anatomy & Physiology II				4			
			BIO 3406 Neuroscience				4			
			BIO 3450 Biological Aspects of Aging				3			
			BIO 3709 Principles of Genetics				4			
			BIO 4316 Immunology ⁸ (must be taken at Kean Union)				3			
Humanities: 6 S.H.			Major Elective Courses (Select from list below): 6-7 S.H.							
*ENG 2403 World Literature	GHUM	3	BIO 4310 Virology OR BIO 4225 Cell Physiology				4			
Take one "GE Approved" courses from below:			BCHM 4115 Biochemistry ⁸				3			
Philosophy or Religion	Humanities Gen Ed	3	BCHM 4115L Biochemistry Lab ⁸				1			
Fine Arts/Arts History			ENV 3250 Medicinal Botany				3			
Social Sciences: 6 S.H.			BIO 3317 Infectious Disease				2			
*HIST 1062 Worlds Of History	Social Science Gen Ed	3	BIO 3420 Parasitology or BIO 3260 Histology				4			
Take one "GE Approved" courses from below:			BIO 4316 Immunology Lab ⁸ (must be taken at Kean Union)				1			
Sociology or Anthropology	PSY 172 General Psychology	3	BIO 4961-4963 Independent Research in Biology				1-3			
Economics or ES 1010			BIO 3291-3293 Cooperative Education (optional internship)				1-3			
Political Science			Required Courses: Special Options 15-17 S.H. (choose ONE)							
PSYCH 1000 (required for PT/OT)										
Interdisciplinary			Physician Assistant Concentration 17 S.H.							
Science and Mathematics: 7 S.H.			BIO 2100 Medical Terminology				3			
MATH 1016 Statistics	MATH 156 Statistics	3	BCHM 4115 Biochemistry ⁸ +BCHM 4115L Biochem Lab (W-E)				4			
CHEM 1083 Chemistry I ⁴	CHEM 181 Gen Chem I	4	HED 3600 Nutrition or BIO 3200 Bio Food Health/Disease				3			
ADDITIONAL REQUIRED COURSE: 20 S.H.			BIO 3400 Zoology: Form & Function				3			
CHEM 1084 Chemistry II ⁵	CHEM 182 Gen Chem II	4	HED 3515 Wellness				3			
CHEM 2581 Organic Chem Lecture I ⁴	CHEM 283 Organic Chem I	4	Physical Therapy Concentration 16 S.H.							
CHEM 2581L Organic Chem Lab I ⁵			EXSC 3505 Kinesiology					3		
CHEM 2582 Organic Chem Lecture II	CHEM 283 Organic Chem II	4	EXSC 3510 Physiology of Exercise				3			
CHEM 2582L Organic Chem Lab II			HED 3600 Nutrition or BIO 3200 Bio Food Health/Disease				3			
PHYS 2091 or PHYS 2095	PHYS 171 Physics I	4	PHYS 2092/PHYS 2096		PHYS 172 Physics II		4			
MATH 2415 Calculus I	MATH 265 Calculus	4	PSY 3540 Abnormal Psych or PSY 3110 Lifespan Dev Psych				3			
1. See Pre requisites & Equivalencies for GE 2. University requirement for graduation for all transfer students that must be completed by taking GE 3000 3. ENG 1030 requires a grade of C or higher 4. With qualifying placement test scores, course may be substituted with elective 5. C or higher needed to progress to next course 6. If enrolled before 9/14 substitute BIO 2400 7. If enrolled before 9/14 substitute BIO 2400 8. Lecture course must be taken concurrently or prior to corresponding lab * GE Distribution course required of all students **Course required by major ***All major courses require a grade of C or better ****Minimum cumulative GPA of 2.5 to remain in BS Bio Health Prof Major, graduate schools likely require a 3.0 minimum for eligibility			Occupational Therapy Concentration 15 S.H.							
			PSY 3110 Lifespan Dev Psych					3		
			PSY 3200 Psychological Statistics					3		
			PSY 3540 Abnormal Psych					3		
			ANTH 1800 or SOC 1000	SOC 181 Intro to Sociology					3	
			OT 2400 Intro to Occupational Therapy					3		
			Major Capstone Course 3 S.H.							
			BIO 4970 Seminar in Integrative Biology					3		
			Free Electives 7-10 S.H.							
			1000-4000 Elective		STSC 150 Student Success					2
			1000-4000 Electives							1-5
3000-4000 Electives							3-5			

