

**KEAN UNIVERSITY - COLLEGE OF LIBERAL ARTS
(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)			Physician Assistant Concentration 17 S.H.					
Interdisciplinary			BIO 2100 Medical Terminology			3		
Science and Mathematics: 7 S.H.				BCHM 4115 Biochemistry ⁸ +BCHM 4115L Biochem Lab (W-E)			4	
MATH 1016 Statistics	MATH 156 Statistics	3		HED 3600 Nutrition or BIO 3200 Bio Food Health/Disease			3	
CHEM 1083 Chemistry I ⁴	CHEM 181 Gen Chem I	4		BIO 3400 Zoology: Form & Function			3	
ADDITIONAL REQUIRED COURSE: 20 S.H.				HED 3515 Wellness			3	
CHEM 1084 Chemistry II ⁵	CHEM 182 Gen Chem II	4		Physical Therapy Concentration 16 S.H.				
CHEM 2581 Organic Chem Lecture I ⁴	CHEM 283 Organic Chem I	4		EXSC 3505 Kinesiology			3	
CHEM 2581L Organic Chem Lab I ⁵			EXSC 3510 Physiology of Exercise			3		
CHEM 2582 Organic Chem Lecture II	CHEM 283 Organic Chem II	4		HED 3600 Nutrition or BIO 3200 Bio Food Health/Disease			3	
CHEM 2582L Organic Chem Lab II			PHYS 2092/PHYS 2096	PHYS 172 Physics II		4		
PHYS 2091 or PHYS 2095	PHYS 171 Physics I	4		PSY 3540 Abnormal Psych or PSY 3110 Lifespan Dev Psych			3	
MATH 2415 Calculus I	MATH 265 Calculus	4		Occupational Therapy Concentration 15 S.H.				
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, this course may be substituted with an 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 Profession Major, graduate schools likely require a 3.0 minimum for eligibility				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

