

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 2020

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	BIO 161 Biology I	4		
ENG 1030 College Composition ³	ENG 151 English I	3	BIO 1400 General BIO I ⁶	BIO 162 Biology II	4		
MATH 1054 Precalculus ⁴	MATH 192 Pre-Calculus II	3	BIO 3315 Principles of Microbiology ⁸		3		
COMM 1402 Speech Comm	MATH 191 Pre-Calculus I	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	Humanities Gen Ed	3	BIO 4310 Virology OR BIO 4225 Cell Physiology		4		
Take one "GE Approved" courses from below:			BCHM 4115 Biochemistry ⁸		3		
Fine Arts/Art History	Humanities Gen Ed	3	BCHM 4115L Biochemistry Lab ⁸ (W-E)		1		
Philosophy or Religion			ENV 3250 Medicinal Botany		3		
Foreign Language (Must take I & II)			BIO 3317 Infectious Disease		2		
Music or Theatre			BIO 3420 Parasitology or BIO 3260 Histology		4		
Interdisciplinary			BIO 4316 Immunology Lab ⁸ (must be taken at Kean Union)		1		
Social Sciences (from different areas): 6 S.H.			BIO 4961-4963 Independent Research in Biology		1-3		
*HIST 1062 Worlds Of History	Social Science Gen Ed	3	BIO 3291-3293 Cooperative Education (optional internship)		1-3		
Take one "GE Approved" course from below:			Required Courses: Special Options 15-18 S.H. (choose ONE)				
PSY 1000 (required for PT & OT)	PSY 172 General Psychology	3	Physician Assistant Concentration 17 S.H.				
Economics or ES 1010 (World Geog)			BIO 3100 Medical Terminology		3		
Political Science			BCHM 4115 Biochemistry ⁸ +BCHM 4115L Biochem Lab (W-E)		4		
Sociology or Anthropology			HED 3600 Nutrition or BIO 3200 Bio Food Health/Disease		3		
Interdisciplinary			BIO 3400 Zoology: Form & Function		3		
Science and Mathematics: 7 S.H.			HED 3515 Wellness		3		
MATH 1016 Statistics	MATH 156 Statistics	3	Physical Therapy Concentration 16 S.H.				
CHEM 1083 Chemistry I ⁴	CHEM 181 Gen Chem I	4	EXSC 3505 Kinesiology		3		
ADDITIONAL REQUIRED COURSES: 20 S.H.			EXSC 3510 Physiology of Exercise		3		
CHEM 1084 Chemistry II ⁵	CHEM 182 Gen Chem II	4	HED 3600 Nutrition or BIO 3200 Bio Food Health/Disease		3		
CHEM 2581 Organic Chem Lecture I ⁵	CHEM 283 Organic Chem I	4	PHYS 2092/PHYS 2096	PHYS 172 Physics II	4		
CHEM 2581L Organic Chem Lab I ⁵			PSY 3540 Abnormal Psych or PSY 3110 Lifespan-Dev Psych		3		
CHEM 2582 Organic Chem Lecture II	CHEM 283 Organic Chem II	4	Occupational Therapy Concentration 15 S.H.				
CHEM 2582L Organic Chem Lab II			PSY 3110 Lifespan-Dev Psych		3		
PHYS 2091 or PHYS 2095 Physics I	PHYS 171 Physics I	4	PSY 3200 Psychological Statistics		3		
MATH 2415 Calculus I	MATH 265 Calculus	4	PSY 3540 Abnormal Psych		3		
<div>1. See Prerequisites & Equivalencies</div> <div>2. University requirement for graduation for all transfer students that must be completed by taking GE 3000</div> <div>3. ENG 1030 requires a grade of C or higher</div> <div>4. With qualifying placement test scores, course may be substituted with elective</div> <div>5. C or higher needed to progress to next course</div> <div>6. If enrolled before 9/14, substitute BIO 2400</div> <div>7. If enrolled before 9/14, substitute BIO 2400</div> <div>8. Lecture course must be taken concurrently or prior to corresponding lab</div> <div>* GE Distribution course required of all students</div> <div>**Course required by major</div> <div>***All major courses require a grade of C or better</div> <div>****Minimum cumulative GPA of 2.5 to remain in BS Bio Health Prof Major, graduate schools likely require a 3.0 minimum for eligibility</div>			ANTH 1800 or SOC 1000	SOC 181 Intro to Sociology	3		
			OT 2400 Intro to Occupational Therapy				3
			Speech Language Hearing Concentration 18 S.H.				
			CDD 2253 Scope of Practice: SLP & Audiology				3
			CDD 2254 Phonetics				3
			CDD 2256 Early Speech and Language Development				3
			CDD 3252 Speech, Language Communication Disorders				3
			CDD 3529 Basic Audiology				3
			CDD 3271 Speech & Hearing Science				3

	Major Capstone Course* 3 S.H.	
	BIO 4970 Seminar in Integrative Biology	3
	Free Electives 6-10 S.H.	
	1000-4000 Elective	STSC 150 Student Success 2
	1000-4000 Electives	1-5
	3000-4000 Electives	1-2
	1000-4000 Elective	STSC 150 Student Success 2