KEAN OCEAN

OCEAN COUNTY COLLEGE

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 Science Concentration 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]	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 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
Humanities: 6 S.H.			BIO 3709 Principles of Genetics		4
*ENG 2403 World Literature	Humanities Gen Ed	3	BIO 4316 Immunology[8] *(must be taken at Kean Union)*		3
Take **one** "GE Approved" courses from below:			**Major Elective Courses (Select from list below): 6-7 S.H.**		
Fine Arts/Art History	Humanities Gen Ed	3	BIO 4310 Virology OR BIO 4225 Cell Physiology		4
Philosophy or Religion			BCHM 4115 Biochemistry[8]		3
Foreign Language (Must take I & II)			BCHM 4115L Biochemistry Lab[8] (W-E)		1
Music or Theatre			ENV 3250 Medicinal Botany		3
Interdisciplinary			BIO 3317 Infectious Disease		2
Social Sciences (from different areas): 6 S.H.			BIO 3420 Parasitology or BIO 3260 Histology		4
*HIST 1062 Worlds Of History	Social Science Gen Ed	3	BIO 4316 Immunology Lab[8] *(must be taken at Kean Union)*		1
Take **one** "GE Approved" course from below:			BIO 4961-4963 Independent Research in Biology		1-3
PSY 1000 (required for PT & OT)	PSY 172 General Psychology	3	BIO 3291-3293 Cooperative Education (optional internship)		1-3
Economics or ES 1010 (World Geog)			**Required Courses: Special Options 15-18 S.H. (choose ONE)**		
Political Science			**Physician Assistant Concentration 17 S.H.**		
Sociology or Anthropology			BIO 3100 Medical Terminology		3
Interdisciplinary			BCHM 4115 Biochemistry[8]+BCHM 4115L Biochem Lab (W-E)		4
Science and Mathematics: 7 S.H.			HED 3600 Nutrition or BIO 3200 Bio Food Health/Disease		3
MATH 1016 Statistics	MATH 156 Statistics	3	BIO 3400 Zoology: Form & Function		3
CHEM 1083 Chemistry I[4]	CHEM 181 Gen Chem I	4	HED 3515 Wellness		3
ADDITIONAL REQUIRED COURSES: 20 S.H.			**Physical Therapy Concentration 16 S.H.**		
CHEM 1084 Chemistry II[5]	CHEM 182 Gen Chem II	4	EXSC 3505 Kinesiology		3
CHEM 2581 Organic Chem Lecture I[5]	CHEM 283 Organic Chem I	4	EXSC 3510 Physiology of Exercise		3
CHEM 2581L Organic Chem Lab I[5]			HED 3600 Nutrition or BIO 3200 Bio Food Health/Disease		3
CHEM 2582 Organic Chem Lecture II	CHEM 284 Organic Chem II	4	PHYS 2092/PHYS 2096	PHYS 172 Physics II	4
CHEM 2582L Organic Chem Lab II			PSY 3540 Abnormal Psych or PSY 3110 Lifespan-Dev Psych		3
PHYS 2091 or PHYS 2095 Physics I	PHYS 171 Physics I	4	**Occupational Therapy Concentration 15 S.H.**		
MATH 2415 Calculus I	MATH 265 Calculus	4	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
			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

1. See Prerequisites & Equivalencies
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

[1]Revised 02/09/2023
By: Jessica Adams & Breanna Brown

	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