KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES

(70304) B.S. Biology: Health Professions Option (Pre-PT, PA or OT): 120 SEMESTER HOURS (S.H.)

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

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

EFFECTIVE DATE: Fall 2017   **KEAN DECLARATION AND GRADUATION GPA REQUIREMENT: 2.5**

Please note: A 3.0 or higher GPA is usually required for admission to a graduate health profession program. Completion of this degree or any Health Profession option at Kean does not ensure admission into any graduate program at Kean or any other educational institution. Students are advised to keep informed of the relevant graduate admission requirements to any graduate health profession they intend to apply to.

GENERAL EDUCATION REQUIREMENTS: 35 S.H.			ACADEMIC MAJOR [1] 40-41 S.H.		
Foundation Requirements: 13 S.H.			**Major Required Courses[1]: 37 S.H.**		
GE 3000 Transfer Transitions		1	BIO 1300 General Biology I	BIOL 161 General Biology I	4
ENG 1030 English Comp[1]	ENGL 151 English I[1]	3	BIO 1400 General Biology II	BIOL 162 General Biology II	4
MATH 1054 Precalculus	MATH 192 Pre-Calculus II[2]	3	BIO 3305 Microbiology		4
COMM 1402 Speech Comm[1]	COMM 154 Public Speaking	3	BIO 3403 Anatomy and Physiology I		4
GE 2024 Research& Technology	ENGL 152 English II	3	BIO 3404 Anatomy and Physiology II		4
			BIO 3406 Neuroscience		4
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION COURSES			BIO 3450 Biological Aspects of Aging		3
Humanities: 6 S.H.			BIO 3709 Principles of Genetics		4
ENG 2403 World Literature	General Education Literature (GHUM)	3	BIO 4315 Immunology (Currently only offered on the Union campus)		4
*Select **One** course from below*			BIO 3317 Infectious Pathogens		2
Fine Arts			**Major Elective Courses (select one from the list below): 3-4 S. H.**		
Art History	Select one course from OCC list of GHUM courses, excluding English and History.	3	BIO 4310 Virology (Currently only offered on the Union Campus)		4
Foreign Languages			BIO 4105 Essentials of Biochemistry (Option 2 and 3 students only)		4
Music or Theatre			ENV 3250 Med Botany (Currently only offered on the Union campus)		3
Interdisciplinary			BIO 4397 Cooperative Education or BIO 4963 Independent Research		1-3
Social Sciences: 6 S.H.			**Required Courses Special Options- (*choose one of three options*):**		
HIST 1062 Worlds of History	General Education History (GHIST)	3	**Option 1: Physician Assistant Concentration: 17 S.H.**		
PSY 1000 Gen Psychology[2]	PSYC 172 General Psychology[2]	3	BIO 3400 Zoology		4
			BIO 4105 Essentials of Biochemistry		4
Science and Mathematics: 7 S.H.			BIO 3100 Medical Terminology		3
MATH 1016 Statistics	MATH 156 Statistics	3	HED 3600 Nutrition or BIO 3200 Bio Food Health / Disease		3
CHEM 1083 Gen Chemistry I[1]	CHEM 181 Chemistry I[1]	4	PED 3515 Wellness		3
			Option 2: Physical Therapy Concentration Courses: 16 S.H.		
Major/GE Capstone[1]: 3 S.H.			PED 3505 Kinesiology		3
BIO 4970 Seminar in Integrative Biology[1]		3	PED 3510 Physiology of Exercise		3
			HED 3600 Nutrition or BIO 3200 Bio Food Health / Disease		3
Additional Required Courses[1]: 22 S.H.			PHYS 2092 Gen Physics II	PHYS 172 Physics II	4
CHEM 1084 Gen Chemistry II[1]	CHEM 182 Chemistry II[1]	4	PSY 3540 Abnormal Psychology or PSY 3110 Lifespan – Develop Psy		3
CHEM 2581 Org Chem Lecture I[1]	CHEM 283 Organic Chemistry I[1] and 1 credit from CSIT 110 or 123	3	**Option 3: Occupational Therapy Concentration Courses: 15 S.H.**		
CHEM 2583 Org Chem Lab I[1]		2	PSY 3200 Psychological Statistics		3
CHEM 2582 Org Chem Lecture II	CHEM 284 Organic Chemistry II and 1 credit from CSIT 110 or 123	3	PSY 3540 Abnormal Psychology		3
CHEM 2584 Org Chem Lab II		2	PSY 3110 Lifespan – Developmental Psychology		3
MATH 2415 Calculus I[2]	MATH 265 Calculus I[2]	4	ANTH 1800 or SOC 1000	SOC 181 Intro to Sociology	3
PHYS 2091 Gen Physics I	PHYS 171 Physics I	4	OT 2400 Introduction to Occupational Therapy (Available online)		3
[1] These courses require a minimum grade of C.			**FREE ELECTIVES:[3] 6-8 S.H.**		
[2] Students whose score on the placement test allows them to take MATH 1054 (MATH 192 at OCC) or MATH 2415 (MATH 265 at OCC) can start with that course, and will have an additional 3 or 6 credits of free electives to total 124 degree credits. Students whose score does not make them eligible to take MATH 191 will need to take the appropriate pre-requisite courses.			Any transferrable OCC credits based on Major Option. For Option 1 = 4 S.H.; for Option 2 = 0 S.H.; for Option 3 = 1 S.H.		0-4
			Any Kean University 3000-4000 level course (except Biology)[3]		3-4
			Any Kean University course (except Biology) to total 120 S.H.		0-4
[3] By advisement. For Option 1 and Option 2 take HED 3232.			**Total Credits:**		**120 S.H.**