KEAN UNIVERSITY - COLLEGE OF NATURAL, APPLIED & HEALTH SCIENCES
(70197) B.A. IN BIOLOGY: TEACHER CERTIFICATION OPTION (P-12) 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: 3.0

Kean University Courses are in Blue (58 S.H.) **Ocean County College Courses are in Green (63 S.H.)**

EFFECTIVE DATE: Fall 2019 ***See the Current Undergraduate Academic Catalog for Requirements to Graduate with Honors***

GENERAL EDUCATION: 42 S.H. **Foundation Requirements[1] : 13 S.H.**		
GE 3000 Transfer Transitions[2]		1
ENG 1030 College Composition[3]	ENG 151 English I	3
MATH 1000 Algebra[4]	MATH 191 Pre-Calc 1	3
COMM 1402 Speech Comm[3]	COMM 154 Fund of Pub Speak	3
GE 2024 Research & Technology	ENGL 152 English II	3
DISCIPLINARY & INTERDISCIPLINARY **Distribution Requirements: 29 S.H.**		
Humanities: 9 S.H.		
*ENG 2403 World Literature	GHUM Literature	3
Take **two** "GE Approved" courses from the following below:		
Fine Arts/Arts History	Select one GHUM Humanities Gen Ed Course	3
Foreign Language (must take 1&2)		
Philosophy or Religion	Select one GTEC Course	3
Music or Theatre		
ID 1300, ID 1500, ID 3200		
Social Sciences: 9 S.H.		
*HIST 1062 Worlds Of History	GSOC Social Science Gen Ed	3
ID 2415 Small Group Comm	STSC 150 Student Success	2-3
ID 1350 Intro to Env. Ethics	ENVI 152 Environmental Sci	3-4
Science and Mathematics: 11 S.H.		
MATH 1054 Pre-Calculus[3,4]	MATH 192 Pre-Calc II	3
CHEM 1030/1030L Esse. of Chem[5]	CHEM 181 Gen Chem I	4
Science Elective[5] (ENV, ES, FSC, PHYS, SUST, ID)	Science Elective	4

ADDITIONAL REQUIRED COURSES 16-17 S.H.		
CHEM 2180 PR. Org Chem Lecturel[4] CHEM 2580L Pr Organic Chem Labl[5]	CHEM 283 Organic Chem I	4
ES 1000 Observing Earth	GEOG 161 World Physical Geography	3
ID 2052 Human Exceptionality		3
PHYS 1001 Principles of Contemporary Physics	Any Physics Course (PHYS 171, 172, 281 or 282)	3-4
PSY 2110 Adolescent Psychology	EDUC 261 Dev. of the Learner	3
ACADEMIC MAJOR REQUIRED COURSES: 62 S.H. **MAJOR REQUIRED COURSES: 24 S.H.**		
BIO 1300 General BIO I[6]	BIOL 161 Biology I	4
BIO 1400 General BIO II[7]	BIOL 162 Biology II	4
BIO 2500 Principles of Botany		4
BIO 33400 Zoology: Form & Function		4
BIO 3614 Principles of Ecology (WE)		4
BIO 3709 Principles of Genetics		4
Biology Major Electives: 3-4 S.H. *Selected with school advisement at 3000-4000 level*		
Major Elective (3000-4000)		3-4
Major Capstone Course: 3 S.H.**		
BIO 4970 Seminar in Integrative Biology		3
Professional Education Courses: 31		
EMSE 2801 Intro to Clinical Experience P-12**		3
EDUC 3000 Curriculum Evaluation & Learner[9]		3
EDUC 3401 Language Arts/Reading P-12[9]		3
EMSE 3122 Technology in Education *(Kean Ocean students can take ID 3051)*		3
EMSE 3230 Science Education P-12[10]		3
EMSE 4711 Field Experience Subj P-12[11,12]		3
EMSE 3903 Teaching English Language Learners		1
EMSE 4811 Clinical II Practice in Sub Area P-12[11,12,13,14,15]		9
Education Major Capstone Course*: 3 S.H.**		
EDUC 4000 Teacher & Classroom: Prof Educ Capstone[14,15]		3
Freshman research optional additional 1 credit		0-1

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. Requires a grade of a B- or higher
4. With qualifying placement test scores, this course may be substituted with an elective
5. Requires a grade of a C or higher
6. If enrolled before 9/14 substitute BIO 2200
7. If enrolled before 9/14 substitute BIO 2400
8. The minimum GPA for programs in the College of Education is 3.0
9. Should be completed prior to Clinical I
10. Should be done in conjunction with Clinical I

11-15. See below for explanation.

* GE Distribution course required of all students

** Secondary Education Major: A grade of B- or better is required.