

**KEAN UNIVERSITY - COLLEGE OF NATURAL, APPLIED & HEALTH SCIENCES**  
**(70196) B.A. IN BIOLOGY: TEACHER CERTIFICATION OPTION (P-12) With TSD Endorsement 126 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 (70 S.H.)

Ocean County College Courses are in Green (59 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 <sup>1</sup> : 13 S.H.				ADDITIONAL REQUIRED COURSES 20 S.H.		
				ES 1000 Observing Earth	GEOG 161 World Physical Geography	3
				ID 2052 Human Exceptionality		3
GE 3000 Transfer Transitions <sup>2</sup>		1		ID 3051 Comp Tech in Today's Society		3
ENG 1030 College Composition <sup>***</sup>	ENG 151 English I	3		ID 3163 Classroom Management		3
MATH 1000 Algebra <sup>3,4</sup>	MATH 191 Pre-Calc 1	3		PHYS 1001 Principles of Contemporary Physics	Any Physics Course (PHYS 171, 172, 281 or 282)	3-4
COMM 1402 Speech Comm <sup>***</sup>	COMM 154 Fund of Pub Speak	3		PSY 2110 Adolescent Psychology	EDUC 261 Dev. of the Learner	3
GE 2024 Research & Technology	ENGL 152 English II	3		Optional Free Elective		
DISCIPLINARY & INTERDISCIPLINARY Distribution Requirements: 29 S.H.				BIO 1996 Research Initiative for 1st Year Students (optional)		1
Humanities: 9 S.H.				ACADEMIC MAJOR REQUIRED COURSES <sup>**</sup> : 67 S.H. MAJOR REQUIRED COURSES: 24 S.H.		
*ENG 2403 World Literature	GHUM Literature	3		BIO 1300 General BIO I <sup>6</sup>	BIOL 161 Biology I	4
Take <b>two</b> "GE Approved" courses from the following below:				BIO 1400 General BIO II <sup>7</sup>	BIOL 162 Biology II	4
Fine Arts/Arts History	Select one GHUM Humanities Gen Ed Course	3		BIO 2500 Principles of Botany		4
Foreign Language (must take 1&2)				BIO 3400 Zoology: Form & Function		4
Philosophy or Religion				BIO 3614 Principles of Ecology (WE)		4
Music or Theatre				BIO 3709 Principles of Genetics		4
ID 1300, ID 1500, ID 3230	Select one GTEC Course	3		Biology Major Electives: 7 S.H. Selected with dept. advisement at 3000-4000 level		
Social Sciences: 9 S.H.				1. Major Elective (3000-4000)		4
*HIST 1062 Worlds Of History	GSOC Social Science Gen Ed	3		2. Major Elective (3000-4000)		3
Economics/ES 1010 World Geog.	STSC 150 Student Success	2-3		Major Capstone Course: 3 S.H.		
Political Science				BIO 4970 Seminar in Integrative Biology		3
Psychology				Professional Education Courses: 33 S.H. <sup>***, 8</sup>		
Sociology/Anthropology				EMSE 2801 Intro to Clinical Experience P-12		3
Interdisciplinary (ID 2415)	ENVI 152 Environmental Sci	3-4		SPED 2200 Multicultural Learner in Diverse Setting		3
Science and Mathematics: 11 S.H.				EDUC 3000 Curriculum Evaluation & Learner <sup>9</sup>		3
MATH 1054 Pre-Calculus <sup>4</sup>	MATH 192 Pre-Calc II	3		EDUC 3401 Language Arts/Reading P-12 <sup>9</sup>		3
CHEM 1030/1030L Esse. of Chem <sup>5</sup>	CHEM 181 Gen Chem I	4		EMSE 3230 Science Education P-12 <sup>10</sup>		3
Science Elective (ENV, ES, FSC, PHYS, SUST, ID)	Science Elective	4		EMSE 4711 Clinical I Practice in Sub Area P-12 <sup>11,12</sup>		3
Special Notes:				SPED 3000 Prin and Practice Contemp Educ (WE) <sup>10</sup>		3
1. See Prerequisites & Equivalencies (on page 2).				EMSE 4811 Clinical II Practice in Sub Area P-12 <sup>12,13,14,15,16</sup>		9
2. University requirement for graduation for all transfer students that must be completed by taking GE 3000.				Education Major Capstone Course: 3 S.H.		
3. MATH 1000 requires a minimum grade of C.				SPED 4200 Prof Practice NJ Sped Education System		3
4. With qualifying placement test scores, this course may be substituted with a Free Elective.				13. Requires submission of application to the Teaching Performance Center (TPC). 14-16. Please see back of page for explanations. * GE Distribution course required of all students. ** All major courses require a grade of a C or better. ***Secondary Education Major: A grade of B- or better is required.		
5. C or higher needed to progress to the next course.						
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. COE Admissions Test Criteria: Praxis I Core Academic Skills for Educators. This is required to be declared and to move forward into the Clinical Practice I (Junior Field). It requires submission of application to the Teaching Performance Center (TPC) and a passing score on the Praxis I core.						
12. Clinical I and II must be done back-to-back and in consecutive semesters.						

