



KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED and HEALTH SCIENCES
(70198) B.A. IN BIOLOGY- Teacher Certification Option: 132 SEMESTER HOURS (S.H.)
DUAL CERTIFICATION FOR TEACHER OF STUDENTS WITH DISABILITIES AND P-12 BIOLOGY



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 (66 S. H.) Ocean County College Courses are in Green (66 S. H.)

EFFECTIVE DATE: Fall 2016

KEAN DECLARATION AND GRADUATION GPA REQUIREMENT: 3.0

GENERAL EDUCATION REQUIREMENTS: 45 S.H.			Additional Required Courses: 23 S.H.		
Foundation Requirements: 13 S.H.			PSY 2110 Adolescent Psychology ³ 3		
GE 3000 Transfer Transitions		1	PHYS 2091 Gen Physics I	PHYS 171 Physics I	4
ENG 1030 English Comp ¹	ENGL 151 English I ¹	3	PHYS 2092 Gen Physics II	PHYS 172 Physics II	4
MATH 1000 College Algebra ^{1,2}	MATH 191 Pre-Calculus I ^{1,2}	3	ES 1000 Observing the Earth	ENVI 152 Environmental Science ⁵	3
COMM 1402 Speech Comm ¹	COMM 154 Public Speaking ¹	3	ID 2052 Human Exceptionality ^{1,6}	EDUC 178 Intro. Ed. of Ex. Stu. ¹	3
GE 2024 Research/Tech	ENGL 152 English II	3	ID 3051 Computer Technology in Today's Inclusive Society		3
			ID 3163 Building Inclusive Environments Positive Behavioral Support		3
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION COURSES					
Humanities: 9 S.H.			ACADEMIC MAJOR COURSES⁷: 32 S.H.		
ENG 2403 World Literature	General Education Literature (GHUM)	3	Required: Courses in Biology⁷: 24 S.H.		
<i>Select Two courses from below</i>			BIO 1300 General Biology I	BIOL 161 General Biology I	4
Fine Arts/Art History	Select two courses from OCC list of GHUM courses, excluding English and History.	3	BIO 1400 General Biology II	BIOL 162 General Biology II	4
Philosophy or Religion			BIO 2500 Principles of Botany		4
Foreign Languages			BIO 3400 Zoology Form & Function		4
Music or Theatre			BIO 3614 Principles of Ecology (WE) ⁷		4
Interdisciplinary			BIO 3709 Principles of Genetics		4
Social Sciences: 9 S.H.			Required: Major Electives⁷: 8 S.H. <i>Selected with departmental faculty advisement at the 3000/4000 level</i>		
HIST 1000 or HIST 1062	General Education History (GHIS)	3	BIO 3000/4000 level Kean University Course		4
PSY 1000 General Psychology ³	PSYC 172 Intro to Psychology ³	3	BIO 3000/4000 level Kean University Course		4
SOC 1000 or ANTH 1800	Required Technology General Education Course (CSIT 110 Computer Literacy or higher).	3	PROFESSIONAL EDUCATION: 32 S.H. The minimum GPA for admission to and continuation in the Professional Education major is 3.0 at Kean University. Minimum grade for these courses is C or better except as noted.		
			Sophomore Level		
Science and Mathematics: 11 S.H.			SPED 2120 Intro Field Exper ^{1,6} 3		
MATH 1054 Precalculus ²	MATH 192 Pre-Calculus II ²	3	SPED 2200 Multicultural Learner in Diverse Settings ^{1,6} 3		
<i>Lab Sciences</i>			Junior Level*		
CHEM 1083 Gen Chemistry I ⁴	CHEM 181 Chemistry I ⁴	4	EDUC 3000 Curriculum Evaluation & Learner 3		
CHEM 1083 Gen Chemistry II ⁴	CHEM 182 Chemistry II ⁴	4	SPED 3000 Principles & Practices in Contemporary Education (WE) ^{6,8} 3		
			EMSE 3230 Science Education K-12 ⁶ 3		
Health/Physical Education: 3 S.H.			SPED 3001 Pre-professional Field Experience 2		
ID 1225 Iss. Contemp. Health	HEHP 225 Contemporary Health	3	EDUC 3401 Language/Reading in Secondary Curricula ⁶ 3		
			Senior Level		
¹ Requires a grade of B- or better.			EDUC 4000 Teacher and Classroom ⁹ 3		
² Students whose score on the placement test makes them eligible 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 131 degree credits. Students whose score does not make them eligible to take MATH 191 will need to take the appropriate pre-requisite courses.			SPED 4135 Professional Field Experience ⁹ 9		
³ PSY 1000 is a prerequisite for PSY 2110.			Prerequisite: passing score on the appropriate Praxis II Exam)		
⁴ Requires a grade of C or better.			TOTAL CREDITS 132 S.H.		
⁵ ENVI 152 is a 4 credit course at OCC. Only 3 of the 4 credits apply towards the 131 credits required to complete the degree at Kean.			⁷ No more than two grades of C or C+ allowed. All other grades must be a minimum of B.		
⁶ Prerequisite: 3.0 cumulative GPA			⁸ WE = Required Writing Emphasis course.		
			⁹ SPED 4135 and EDUC 4000 MUST be taken concurrently.		
			* Must have passing scores on the passing scores on Praxis Core Academic Skills for Educators Exam in order to take these courses.		