

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 (46 S. H.)** **Ocean County College Courses are in Green (78 S. H.)**

EFFECTIVE DATE: Fall 2016

KEAN DECLARATION AND GRADUATION GPA REQUIREMENT: 2.5\*

GENERAL EDUCATION REQUIREMENTS: 48 S.H.			Additional Required Courses: 25 S.H.			
<b>Foundation Requirements: 13 S.H.</b>			CHEM 2581 Org Chem Lecture I <sup>1</sup>	CHEM 283 Organic Chemistry I <sup>1</sup>	3	
GE 3000 Transfer Transitions		1	CHEM 2583 Org Chem Lab I	and 1 credit from CSIT 110 or 123	2	
ENG 1030 English Comp <sup>1</sup>	ENGL 151 English I <sup>1</sup>	3	CHEM 2582 Org Chem Lecture II <sup>1</sup>	CHEM 284 Organic Chemistry II <sup>1</sup>	3	
MATH 1054 Pre-Calculus <sup>2</sup>	MATH 192 Pre-Calculus II <sup>2</sup>	3	CHEM 2584 Org Chem Lab II	and 1 credit from CSIT 110 or 123	2	
COMM 1402 Speech Comm	COMM 154 Public Speaking	3	ENV 1000 Intro to Environ Sci	ENVI 152 Environmental Science	3	
GE 2024 Research & Technology	ENGL 152 English II	3	MATH 2415 Calculus I <sup>2</sup>	MATH 265 Calculus I <sup>2</sup>	4	
			PHYS 2091 Gen Physics I	PHYS 171 Physics I	4	
<b>DISCIPLINARY &amp; INTERDISCIPLINARY DISTRIBUTION COURSES</b>			PHYS 2092 Gen Physics II	PHYS 172 Physics II	4	
<b>Humanities: 9 S.H.</b>			<b>ACADEMIC MAJOR COURSES<sup>1</sup>: 32 S.H.</b>			
ENG 2403 World Literature	General Education Literature (GHUM)	3	<b>Required: Courses in Biology<sup>1</sup>: 24 S.H.</b>			
<i>Select <b>Two</b> courses from below</i>			BIO 1300 Gen 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 Gen Biology II	BIOL 162 General Biology II	4	
Philosophy or Religion			BIO 2500 Principles of Botany		4	
Foreign Languages			BIO 3400 Zoology Form & Function <sup>2</sup>		4	
Music or Theatre			BIO 3614 Principles of Ecology		4	
Interdisciplinary			BIO 3709 Genetics		4	
<b>Social Sciences: 9 S.H.</b>			<b>Required: Major Electives<sup>1</sup>: 8 S.H.</b>			
HIST 1000 or HIST 1062	General Education History (GHIS)	3	<i>Selected with departmental faculty advisement at the 3000/4000 level</i>			
Psychology	Select two courses from the Ocean County College GSOC list of approved courses.	3	BIO 3000/4000 level Kean University Course		4	
Economics or Geography			BIO 3000/4000 level Kean University Course		4	
Political Science						
Sociology or Anthropology						
Interdisciplinary			<b>FREE ELECTIVES: 19 S.H.</b>			
			<b>At least 50% must be at the 3000/4000 level</b>			
<b>Science and Mathematics: 11 S.H.</b>			FEX 1000 Generic lower elective	1 credit from ENV 152	1	
MATH 1016 Statistics (Bio Section)	MATH 156 Introduction to Statistics	3	Any Kean University Course			
			Any Kean University Course			
<b>Lab Sciences</b>			Any Kean University Course			
CHEM 1083 Gen Chemistry I <sup>1</sup>	CHEM 181 Chemistry I <sup>1</sup>	4	Any 3000/4000 level Kean University Course			
CHEM 1083 Gen Chemistry II <sup>1</sup>	CHEM 182 Chemistry II <sup>1</sup>	4	Any 3000/4000 level Kean University Course			
			Any 3000/4000 level Kean University Course			
<b>Health/Physical Education: 3 S.H.</b>			<b>TOTAL CREDITS</b>			
ID 1010 or ID 1225	MATH 191 Pre-Calculus I <sup>2</sup>	3	<b>124 S.H.</b>			
<b>Major Capstone<sup>1</sup>: 3 S.H.</b>						
BIO 4970 Seminar in Integrative Biology <sup>1</sup>		3				
<sup>1</sup> Requires a grade of C or better.						
* A minimum cumulative GPA of 2.5 is required for acceptance as a declared Biology major and must be maintained to remain in the Biology major.			<sup>2</sup> 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 124 degree credits. Students whose score does not make them eligible to take MATH 191 will need to take the appropriate pre-requisite courses.			