

KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
(72101) B.A. IN CHEMISTRY (PREPROFESSIONAL OPTION) : 124 S.H.

EFFECTIVE DATE: Fall 2014

START TERM: _____

NAME		TRANSFER INSTITUTIONS (X)	Credits:
STUDENT ID#		In Progress	
GENERAL EDUCATION¹: 44-45 Semester Hours (S.H.)		ACADEMIC Major and Capstone Requirements³ 35 S.H.	
Foundation Requirements 13 S.H.		CHEM 1083 Chemistry I	4
GE 1000 Transition to Kean ²	1	CHEM 1084 Chemistry II	4
ENG 1030 College Composition ³	3	CHEM 2283 Quantitative Analysis	4
MATH 1000 Algebra for College Students ⁴	3	CHEM 2581 Organic Chemistry I	3
COMM 1402 Speech Communication	3	CHEM 2582 Organic Chemistry II	3
GE 2024 Research & Technology	3	CHEM 2583 Organic Chemistry Lab and Recitation I ^{WE}	2
		CHEM 2584 Organic Chemistry Lab and Recitation II	2
Disciplinary & Interdisciplinary Distribution Requirements:		CHEM 3284 Instrumental Method of Analysis ^{WE}	4
		CHEM 3381 Physical Chemistry I	3
		CHEM 3581 Biochemistry	3
Humanities: 9 S.H.			
*ENG 2403 World Literature	3	G.E. and Major Capstone: ³	
Select two courses from different areas:		CHEM 4908 Seminar in Chemistry	3
Fine Arts/Art History	3		
Philosophy or Religion	3		
Foreign Languages ⁵ (Must take I and II for credit)	3	FREE ELECTIVES: ⁴ 17 or 18 S.H.	
Music or Theatre	3	at least 50% must be 3000/4000 level	
Interdisciplinary	3		
Social Sciences: 9 S.H.			
*HIST 1000 Civil Society in America or HIST 1062 Worlds of History	3		
Select two courses from different areas:			
Psychology	3		
Economics or Geography	3		
Political Science	3		
Sociology or Anthropology	3		
Interdisciplinary	3		
Science and Mathematics: 11 S.H.			
MATH 1054 Precalculus ⁴	3		
PHYS 2095 Physics I	4		
PHYS 2096 Physics II	4		
Health & Physical Education :2 or 3 S.H.			
ID 1225 Issues in Contemporary Health or ID 1010 Leisure & Recreation in Multicultural Society Or TWO one-credit P.E.D. courses	3 1, 1		
		Other Transfer:	
Additional Required Courses: 27 S.H.		Special Notes:	
MATH 2415 Calculus I	4	*G.E. required course	
MATH 2416 Calculus II	4	TOTAL CREDITS:	
MATH 3415 Calculus III	4	Advisor:	
PHYS 2097 Physics III	4	Advisor Signature:	
BIO 1300 General Biology I	4		
BIO 1400 General Biology II	4		
ENV 1000 Introduction to Environmental Science	3		

1. See prerequisites and equivalencies on page 3.
2. Required of all Freshmen and Transfers with fewer than 10 credits.
3. Eng 1030 College Comp, all Major courses, and the Capstone, require a grade of C or better.
4. Students whose qualifying score on the placement test makes them eligible to take Math 1054 or Math 2415 may take that course instead. In that case, Math 1054 or Math 2415 will count as the General Education requirement and the student may take another 3 or 6 credits in Free Electives to total 124 S.H.
5. Credit granted upon completion of two semesters of elementary or intermediate foreign language. Three credits can be applied to Humanities, and 3 credits can be applied to Free Electives.