

**KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
(72100) B.A. IN CHEMISTRY (GENERAL 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 Requirements 45 S.H.³	
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 2491 Inorganic Chemistry	3
		CHEM 3284 Instrumental Method of Analysis ^{WE}	4
		CHEM 3381 Physical Chemistry I	3
Humanities: 9 S.H.		CHEM 3382 Physical Chemistry II	3
*ENG 2403 World Literature	3	CHEM 3383 Physical Chemistry Lab and Recitation I	2
Select two courses from different areas:		CHEM 3384 Physical Chemistry Lab and Recitation II	2
Fine Arts/Art History	3	CHEM 4481 Advanced Inorganic Chemistry	3
Philosophy or Religion	3		
Foreign Languages ⁵ (Must take I and II for credit)	3	G.E. and Major Capstone: ³	
Music or Theatre	3	CHEM 4908 Seminar in Chemistry	3
Interdisciplinary	3		
Social Sciences: 9 S.H.		FREE ELECTIVES:⁴ 15 or 16 S.H.	
*HIST 1000 Civil Society in America or HIST 1062 Worlds of History	3	at least 50% must be 3000/4000level	
Select two courses from different areas:			
Psychology	3		
Economics or Geography	3		
Political Science	3		
Sociology or Anthropology	3		
Interdisciplinary	3		
		Other Transfer:	
Science and Mathematics: 11 S.H.			
MATH 1054 Precalculus ⁴	3	Special Notes:	
PHYS 2095 Physics I	4	1. See prerequisites and equivalencies on page 3.	
PHYS 2096 Physics II	4	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.	
Health & Physical Education : 2 or 3 S.H. ID 1225 Issues in Contemporary Health or ID 1010 Leisure & Recreation in Multicultural Society	3	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.	
Or TWO one-credit P.E.D. courses ¹	1, 1	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.	
Additional Required Courses: 19 S.H.			
MATH 2415 Calculus I	4		
MATH 2416 Calculus II	4		
MATH 3415 Calculus III	4	TOTAL CREDITS:	
ENV 1000 Intro to Environmental Science	3	Advisor:	
PHYS 2097 Physics III	4	Advisor Signature	