

KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES

(72102) B.S. IN CHEMISTRY (EXPANDED OPTION – ACS CERTIFIED) : 124 S.H.

EFFECTIVE DATE: Fall 2014

START TERM: \_\_\_\_\_

NAME		TRANSFER INSTITUTIONS (X)	Credits:
STUDENT ID#		In Progress	
<b>GENERAL EDUCATION<sup>1</sup>: 32 Semester Hours (S.H.)</b>		<b>**ACADEMIC Major and Capstone Requirements<sup>3</sup> 57 S.H.</b>	
<b>Foundation Requirements 13 S.H.</b>		CHEM 1083 Chemistry I	4
GE 1000 Transition to Kean <sup>2</sup>	1	CHEM 1084 Chemistry II	4
ENG 1030 College Composition <sup>3</sup>	3	CHEM 2283 Quantitative Analysis	4
MATH 1000 Algebra for College Students <sup>4</sup>	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 <sup>WE</sup>	2
		CHEM 2584 Organic Chemistry Lab and Recitation II	2
<b>Disciplinary &amp; Interdisciplinary Distribution Requirements:</b>		CHEM 2491 Inorganic Chemistry	3
<b>Humanities: 6 S.H. (from different areas)</b>		CHEM 3284 Instrumental Method of Analysis <sup>WE</sup>	4
*ENG 2403 World Literature	3	CHEM 3381 Physical Chemistry I	3
<b>Select one course from below:</b>		CHEM 3382 Physical Chemistry II	3
Fine Arts/Art History	3	CHEM 3383 Physical Chemistry Lab and Recitation I	2
Philosophy or Religion	3	CHEM 3384 Physical Chemistry Lab and Recitation II	2
Foreign Languages <sup>5</sup> (Must take I and II for credit)	3	CHEM 3581 Biochemistry	3
Music or Theatre	3	CHEM 4481 Advanced Inorganic Chemistry	3
Interdisciplinary	3	CHEM 4483 Inorganic Chemistry Laboratory	3
		4000 level Chemistry lab course	3
<b>Social Sciences: 6 S.H. (from different areas)</b>		One 4000 level lecture courses in Chemistry, Physics, Math or Earth science	3
*HIST 1000 History of Civil Society in America Or HIST 1062 Worlds of History	3		
<b>Select one course from below:</b>		<b>**G.E. and Major Capstone: <sup>3</sup></b>	
Psychology	3	CHEM 4908 Seminar in Chemistry	3
Economics or Geography	3		
Political Science	3	<b>FREE ELECTIVES:<sup>4</sup> 15 S.H.</b>	
Sociology or Anthropology	3	at least 50% must be 3000/4000 level	
Interdisciplinary	3		
<b>Science and Mathematics: 7 S.H.</b>		<b>Other Transfer:</b>	
MATH 1054 Precalculus <sup>4</sup>	3	<b>Special Notes:</b>	
PHYS 2095 Physics I	4	<b>*G.E. required course</b>	
<b>Additional Required Courses: 20 S.H.</b>		1. See prerequisites and equivalencies on page 3.	
MATH 2415 Calculus I	4	2. Required of all Freshmen and Transfers with fewer than 10 credits.	
MATH 2416 Calculus II	4	3. Eng 1030 College Comp, all Major courses, and the Capstone, require a grade of C or better.	
MATH 3415 Calculus III	4	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.	
PHYS 2096 Physics II	4	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.	
PHYS 2097 Physics III	4		
		<b>TOTAL CREDITS:</b>	
		Advisor:	
		Advisor Signature:	