KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED and HEALTH SCIENCES
(76199) B.A. IN EARTH SCIENCE (Teacher Certification Option, K-12) : 127 S.H.
EFFECTIVE DATE: Fall 2009

START TERM: _____

NAME		TRANSFER INSTITUTIONS (X) Credits:	
STUDENT ID#		In Progress	
GENERAL EDUCATION : 45 Semester Hours (S.H.)		**ACADEMIC MAJOR : 31 Semester Hours (S.H.)**	
Foundation Requirements [1] : 13 S.H.		**A minimum grade of C in no more than two major courses. A grade of B- or higher in remaining major courses.**	
GE 1000 Transition to Kean [2]	1		
ENG 1030 Composition [3]	3	**Required Foundation Core 27 S.H.**	
MATH 1000 Algebra for College Students [4]	3	ASTR 1100 Introduction to Astronomy	4
COMM 1402 Speech Communication [3]	3	GEOL 1200 Introduction to Geology	4
GE 2024 Research & Technology	3	METR 1300 Introduction to Meteorology	4
		METR 2300 Climatology	3
Disciplinary & Interdisciplinary Distribution Requirements:		OCEN 2400 Introduction to Oceanography	4
Humanities: 9 S.H. (from different areas)		GEOL 3266 Hydrology	4
*ENG 2403 World Literature	3	(Select one of the following four courses)	
Fine Arts/Art History	3	GEOL 3261 Mineralogy	
Philosophy or Religion	3	GEOL 3263 Structural Geology	
Foreign Languages (Must take I and II for credit)	3	GEOL 3264 Invertebrate Paleontology	
Music or Theatre	3	GEOL 3265 Geomorphology	4
Interdisciplinary	3	**G.E. and Major Capstone 4 S.H.**	
		(Select either of the following)	
Social Sciences: 9 S.H.		ES 4953 and ES 4954 Earth Science Seminar I & II (WE)	2, 2
*HIST 1000 Civil Society in America	3	**OR**	
PSY 1000 General Psychology	3	ES 4963 and ES 4964 Honors Res. Sem. in E.S. I & II (WE)	2, 2
SOC 1000 Introduction to Sociology **OR** ANTH 1800 Cultural Anthropology	3	**PROFESSIONAL EDUCATION: 30 Semester Hours (S.H.)** **Grade of (B-) or better in professional education courses and "Satisfactory" grades in EMSE 3801 and EMSE 4811 required**	
Science and Mathematics: 11 S.H.		**Sophomore Level**	
MATH 1054 Precalculus [4 & 5]	3	EMSE 2801 Intro Field Experiences in Subject Area Instruction K-12 [3]	3
CHEM 1083 Chemistry I	4	**Junior Level**	
BIO 1000 Principles of Biology [5]	4	EDUC 3000 Curriculum Evaluation & Learner	3
		EDUC 3401 Language Arts / Reading K-12	3
Health & Physical Education: 3 S.H.		EMSE 3122 Computers in Education	3
ID 1225 Issues in Contemporary Health	3	EMSE 3230 Science Education K-12 (WE)	3
		EMSE 3801 Junior Field Experiences Instruction in Subject Area K-12	2
ADDITIONAL REQUIRED COURSES [5] : 21 Semester Hours (S.H.)		EMSE 3903 English Language Learners in American Schools (take with EMSE 3801)	1
MATH 2411 Calculus I **OR** MATH 2412 Calculus II	3	**Senior Level**	
CHEM 1084 Chemistry II	4	EMSE 4811 Professional Internship / Subject Area K-12 [6]	9
PHYS 2091 General Physics I	4	**Professional/GE Capstone Course**	
PHYS 2092 General Physics II	4	EDUC 4000 Teacher and the Classroom	3
PSY 2110 Psychology Adolescence	3		
ID 2955 Disabled Person in America Society	3	**Other Transfer:**	
[1] See prerequisites and equivalencies. [2] Required of all Freshmen and Transfers with fewer than 10 credits. [3] ENG 1030, COMM 1402, and EMSE 2801 require a grade of B- or better. [4] A student whose qualifying score on the placement test makes them eligible to take either Math 1054 or Math 2411 may take that course instead. In that case, either Math 1054 or Math 2411 will count as the General Education requirement and the student may take another 3 or 6 credits as free electives to total 127 S.H. [5] Math, Laboratory Science requirements and "Additional Required Courses" require a grade of C or better. [6] Prerequisite: Passing Score on appropriate Praxis II test.		**Special Notes:** *G.E. required course Note: See foreign language requirements	
		TOTAL CREDITS:	
		Advisor:	
		Advisor Signature:	

Rev : 1/12/2009