

**KEAN UNIVERSITY**  
**COLLEGE OF NATURAL, APPLIED and HEALTH SCIENCES**  
**(76203) B.S. IN EARTH SCIENCE (Earth System Science Option) : 124 S.H.**  
**EFFECTIVE DATE: Fall 2009**

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

NAME		TRANSFER INSTITUTIONS (X)	Credits:
STUDENT ID#		In Progress	
<b>GENERAL EDUCATION :</b>	<b>32 Semester Hours (S.H.)</b>	<b>ACADEMIC MAJOR :</b>	<b>49-51 Semester Hours (S.H.)</b>
<b>Foundation Requirements <sup>1</sup> : 13 S.H.</b>		<b>***Required Foundation Core 34 S.H.</b>	
GE 1000 Transition to Kean <sup>2</sup>	1	ES 1000 Observing the Earth	3
***ENG 1030 Composition	3	ES 2000 Foundations of Earth System Science	4
MATH 1000 Algebra for College Students <sup>3</sup>	3	ES 2200 Methods in Geoscience	4
COMM 1402 Speech Communication	3	ES 3200 GIS is Geoscience	4
GE 2024 Research & Technology	3	ES 3310 Geosphere	4
		ES 3320 Atmosphere	4
<b>Disciplinary &amp; Interdisciplinary Distribution Requirements</b>		ES 3330 Hydrosphere / Ocean	4
<b>Humanities: 6 S.H. (from different areas)</b>		ES 4200 Remote Sensing	4
*ENG 2403 World Literature	3	ES 4980 Environmental Issues Internship	3
Fine Arts/Art History	3		
Philosophy or Religion	3	<b>***G.E. and Major Capstone: 3 S.H.</b>	
Foreign Languages (Must take I and II for credit)	3	ES 4981 Environmental Issues Seminar (WE)	3
Music or Theatre	3		
Interdisciplinary	3	<b>***Interdisciplinary Electives: 6 S.H.</b>	
		(select from departmental approved interdisciplinary courses in Geography, Biology, Chemistry, Public Administration or Economics)	
<b>Social Sciences: 6 S.H. (from different areas)</b>			
*HIST 1000 Civil Society in America	3		
Psychology	3		
Economics or Geography	3		
Political Science	3		
Sociology or Anthropology	3	<b>*** Major Electives : 6-8 S.H.</b>	
Interdisciplinary	3	(select from departmental approved 3000-4000 level courses in Geology, Meteorology and Oceanography)	
<b>Science and Mathematics: 7 S.H.</b>			
MATH 1054 Precalculus <sup>3</sup>	3		
BIO 1000 Principles of Biology	4		
<b>ADDITIONAL REQUIRED COURSES: 23 Semester Hours (S.H.)</b>		<b>FREE ELECTIVES: 18-20 Semester Hours (S.H.)</b>	
MATH 2411 Calculus I	3	(at least 50% must be 3000/4000 level)	
MATH 2412 Calculus II	3		
CHEM 1083 Chemistry I	4		
CHEM 1084 Chemistry II	4		
MATH 2526 Applied Statistics	3		
COMM 2405 Public Speaking	3		
ENG 3090 Professional and Technical Writing	3	<b>Other Transfer:</b>	
		<b>Special Notes:</b>	
		*G.E. required course	
		***Eng 1030 and all major courses require a grade of C or better	
		Note: See foreign language requirements	
		<b>TOTAL CREDITS:</b>	
		Advisor:	
		Advisor Signature:	
<sup>1</sup> See prerequisites and equivalencies. <sup>2</sup> Required of all Freshmen and Transfers with fewer than 10 credits. <sup>3</sup> 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 in free electives to total 124 S.H.			