KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED & HEALTH SCIENCES
(76202) B.S. IN EARTH SCIENCE (Meteorology Option): 124 S.H.
EFFECTIVE DATE: Fall 2011

START TERM: _____

NAME		TRANSFER INSTITUTIONS (X) Credits:	
STUDENT ID#		In Progress	
GENERAL EDUCATION: 33 Semester Hours (S.H.)		ACADEMIC MAJOR: 53 Semester Hours (S.H.)	
Foundation Requirements[1]: 13 S.H.		***Required Foundation Core 38 S.H.	
G.E. 1000 Transition to Kean[2]	1	SELS 1100 Intro to Earth & Geog Systems	4
***ENG 1030 Composition	3	SELS 2101 Intro to Geo-hydro Systems	4
MATH 1054 Pre-Calculus	3	METR 3370 Atmospheric Dynamics	4
COMM 1402 Speech Communication	3	METR 3371 Atmospheric Thermodynamics	4
GE 2024 Research & Technology	3	METR 3372 Physical Meteorology	3
		METR 3380 Meteorological Instrumentation	4
Disciplinary & Interdisciplinary Distribution Requirements		METR 4351 Synoptic Meteorology I	4
Humanities: 6 S.H. (from different areas)		METR 4352 Synoptic Meteorology II	4
*ENG 2403 World Literature	3	METR 4370 Advanced Atmospheric Dynamic	3
Fine Arts/Art History	3	SELS 3101 Atmo Systems	4
Philosophy or Religion	3		
Foreign Languages (Must take I and II for credit)	3	***G.E. and Major Capstone: 4 S.H.	
Music or Theatre	3	(Select either of the following)	
Interdisciplinary	3	ES 4953 and ES 4954 Earth Science Seminar I & II (WE)	2,2
		OR	
Social Sciences: 6 S.H. (from different areas)		ES 4963 and ES 4964 Honors Res. Sem. in E.S. I & II (WE)	2,2
*HIST 1000 Civil Society in America *or* HIST 1062 Worlds of History	3		
Psychology	3	*** Major Electives: 11 S.H.	
Economics or Geography	3	(selected with departmental advisement)	
Political Science	3	SELS 4101 Physical Clim	4
Sociology or Anthropology	3	ES 4200 Remote Sensing	4
Interdisciplinary	3		
Science and Mathematics: 8 S.H.			
CPS 1231 Fundamentals of Computer Science	4		
CHEM 1083 Chemistry I	4		
Additional Required Courses: 25 Semester Hours (S.H.)		FREE ELECTIVES: 13 Semester Hours (S.H.)	
MATH 2411 Calculus I	3	(at least 50% must be 3000/4000level)	
MATH 2412 Calculus II	3		
PHY 2095 Physics I	4		
PHY 2096 Physics II	4		
CPS 2231 Computer Organization & Programming	4		
MATH 3455 Differential Equations	3		
GEOL 3266 Hydrology	4	Other Transfer:	
		Special Notes:	
		*G.E. required course **Course required by Major ***Eng 1030 and all Major courses require a grade of C or better Note: See foreign language requirements	
		TOTAL CREDITS:	
		Advisor:	
		Advisor Signature:	

[1] See prerequisites and equivalencies.
[2] Required of all Freshmen and Transfers with fewer than 10 credits.
[3] 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.

Rev. 5/11