## KEAN UNIVERSITY COLLEGE OF NATURAL, APPLIED and HEALTH SCIENCES (78201) B.A. IN MATHEMATICAL SCIENCES (Statistics Option) 124 S.H. EFFECTIVE DATE: Fall 2013

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

NAME		TRANSFER INSTITUTIONS(X) Credits	
STUDENT ID#		In Progress	
GENERAL EDUCATION: 47-49 Semester Hours (S.H.)		ACADEMIC MAJOR: 40 Semester Hours (S.H.)	
Foundation Requirements <sup>1</sup> 13 S.H		**Foundation Core 18 S.H.	+,
GE 1000 Transition to Kean <sup>2</sup>	1	MATH 2415 Calculus I	4
**ENG 1030 Composition	3	MATH 2416 Calculus II	4
MATH 1054 Precalculus <sup>3,4</sup>	3	MATH 2995 Matrix and Linear Algebra	3
COMM 1402 Speech Communication	3	MATH 3415 Calculus III	4
GE 2024 Research & Technology	3	MATH 3544 Probability and Math Statistics	3
Disciplinary & Interdisciplinary Distribution Requirements		**Concentration 16 S.H.	+
Humanities 9 S.H.		MATH 2526 Applied Statistics I	3
*ENG 2403 World Literature	3	MATH 3500 Statistical Software	1
(Select two courses from different areas)	3	MATH 3500 Statistical Software  MATH 3526 Applied Statistics II	3
Fine Arts or Art History	3	MATH 3520 Applied statistics if  MATH 3560 Regression Analysis	3
Philosophy or Religion	3	MATH 3500 Regression Analysis  MATH 3580 Experimental Design	3
Foreign languages (Must take I and II for credit)	3	MATH 4545 Math Statistics	3
Music or Theatre	3	IVIA 111 4343 IVIAUI SIAUISUUS	3
Interdisciplinary	3		
пилиопринагу	3	**Major Electives 6 S.H.	
Social Sciences 9 S.H.		(With advisement, from 3000 – 4000 level)	
*HIST 1000 Civil Soc or HIST 1062 World Civ	3	MATH	3
(Select two courses from different areas)	3	MATH	3
Psychology	3	MAIN	3
Economics or Geography	3		
Political Science	3		
	3	EDEE ELECTIVES, 21-22 CH	
Sociology or Anthropology Interdisciplinary	3	FREE ELECTIVES: 31-33 S.H.  Additional courses in Computer Science, Physics, or other Sciences,	
metuscipinary	3	Technology, Economics, or Management recommended. No Mathematics courses allowed other than MATH 1000. 50% of free electives must be taken at the 3000-4000 level.	
Science and Mathematics 11 or 12 S.H.			
CPS 1231 Fund of Comp Science <sup>1</sup>	4		
(Select two courses - one must be a lab science)			
PHYS 2091 General Physics I or			
PHYS 2095 Physics I (Recommended)	4		
Additional Science Course: Biology, Chemistry, Physics,			
Astronomy, Geology, Meteorology, or Earth Science	3, 4		
Health & Physical Education 2 or 3 S.H.			
ID 1225 Issues in Contemporary Health or	2		
ID 1010 Leisure & Recreation in Multicultural Society OR	3		
Physical Education	1		+
Physical Education	1		
1 nyorous Daucuston	1	Special Notes:	
*/**G.E. and Major Capstone 3 S.H.		See prerequisites and equivalencies.	
MATH 4890 Senior Seminar in Mathematics (WE)	3	<sup>2</sup> Required of all Freshmen and Transfers with fewer than 10 credits.	
milita 1070 better bettind in madremates (112)	-	<sup>3</sup> Students who do not qualify on the placement test to take MATH 1054	
ADDITIONAL REQUIRED COURSES: 4 S.H.		must take MATH 1000 first.	
CPS 2231 Computer Org and Programming	4	<sup>4</sup> Students whose qualifying score on the placement test makes them eligible to take Math 2415 may take that course instead. In that case the	
		student must take another 3 credits in free electives to total 124 S.H.	-
		*G.E. required course	
		**Eng 1030 and all major courses require a grade of C or better.	
	1	TOTAL CREDITS:	
		Advisor Signature:	