

KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED and HEALTH SCIENCES
(78200) B.A. IN MATHEMATICAL SCIENCES 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 Requirements¹ 13 S.H.	**Foundation Core 18 S.H.	
GE 1000 Transition to Kean ²	1 MATH 2415 Calculus I	4
**ENG 1030 Composition	3 MATH 2416 Calculus II	4
MATH 1054 Precalculus ^{3,4}	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 10 S.H.	
Humanities 9 S.H.	MATH 2800 Mathematical Software	1
*ENG 2403 World Literature	3 MATH 3110 Intro to Proofs	3
(Select two courses from different areas:)	MATH 3455 Differential Equations	3
Fine Arts or Art History	3 MATH 3247 Abstract Algebra or MATH 4451 Advanced Calculus	3
Philosophy or Religion	3	
Foreign languages (Must take I and II for credit)	3 **Major Electives 12 S.H.	
Music or Theatre	3 (With advisement, from 3000 – 4000 level)	
Interdisciplinary	3 MATH	3
	MATH	3
Social Sciences 9 S.H.	MATH	3
*HIST 1000 Civil Soc or HIST 1062 World Civ	3 MATH	3
(Select two courses from different areas:)		
Psychology	3 FREE ELECTIVES: 31-33 S.H.	
Economics or Geography	3 Additional courses in Computer Science, Physics, or other Sciences,	
Political Science	3 Technology, Economics, or Management Science recommended.	
Sociology or Anthropology	3 No Mathematics courses allowed other than MATH 1000.	
Interdisciplinary	3 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 ¹	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		
ID 1010 Leisure & Recreation in Multicultural Society	3	
OR		
Physical Education	1 Special Notes:	
Physical Education	1 ¹ See prerequisites and equivalencies.	
	² Required of all Freshmen and Transfers with fewer than 10 credits.	
*/**G.E. and Major Capstone 3 S.H.	³ Students who do not qualify on the placement test to take MATH 1054	
MATH 4890 Senior Seminar in Mathematics (WE)	3 must take MATH 1000 first.	
	⁴ Students whose qualifying score on the placement test makes them	
ADDITIONAL REQUIRED COURSES: 4 S.H.	eligible to take Math 2415 may take that course instead. In that case the	
CPS 2231 Computer Org and Programming	4 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.	
Special Notes:		
WE: writing emphasis	TOTAL CREDITS:	
	Advisor Signature:	