

KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED and HEALTH SCIENCES
(78200) B.A. IN MATHEMATICAL SCIENCES 120 S.H.
EFFECTIVE DATE: Fall 2017

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 or GE 3000 Transfer Transitions 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 13 S.H.
		MATH 2526 Applied Statistics I 3
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 I or MATH 4451 Real Analysis I 3
Philosophy or Religion	3	
Foreign languages (Must take I and II for credit)	3	
Music or Theatre	3	**Major Electives 9 S.H.
Interdisciplinary	3	(With advisement, from 3000 – 4000 level)
		MATH 3
Social Sciences 9 S.H.		MATH 3
* HIST 1062 Worlds of History	3	MATH 3
(Select two courses from different areas)		
Psychology	3	
Economics or Geography	3	FREE ELECTIVES: 27-29 S.H.
Political Science	3	Additional courses in Computer Science, Physics, or other Sciences, 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, Earth Science, or Environmental 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	2, 3	
		Special Notes:
		¹ See prerequisites and equivalencies.
		² University Requirement for Graduation for all undergraduate students that must be satisfied in one of two ways: Complete GE 1000 (all freshmen and transfers entering with 0-29 credits) OR complete GE 3000 (transfers entering with 30 credits or more)
		³ Students who do not qualify on the placement test to take MATH 1054 must take MATH 1000 first.
		⁴ 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 120 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: