KEAN UNIVERSITY
HENNINGS COLLEGE OF SCIENCE, MATHEMATICS, AND TECHNOLOGY
(78291) B.A. IN MATHEMATICAL SCI ED/TSD 128 S.H

Minimum GPA Required for
Declaration: 3.0 Minimum GPA
Required for Major: 3.0
Overall Minimum GPA Required for Graduation: 3.0

EFFECTIVE DATE: FALL 2022

GENERAL EDUCATION 41-42 Semester Hours (S.H.)		**ACADEMIC MAJOR 40 S.H. (Total)**	
Foundation Requirements:[1] 13 S.H.		***** Foundation Core Courses: 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:[1] 29-30 S.H.		***** Concentration Courses: 13 S.H.**	
***Humanities* 9 S.H. (from different areas)**		MATH 2526 Applied Statistics I	3
*ENG 2403 World Literature	3	MATH 2800 Mathematical Software	1
Take two "GE Approved" courses from two areas below:		MATH 3110 Intro to Proofs	3
Fine Arts or Art History	3	MATH 3342 Euclidean and Non-Euclidean Geometry	3
Philosophy or Religion	3	MATH 3891 History of Mathematics	3
Music or Theatre	3		
Interdisciplinary	3	***** Major Elective Courses (with advisement, 3000-4000) 6 S.H**	
		MATH	3
		MATH	3
***Social Sciences* 9 S.H.**			
*HIST 1062 Worlds of History	3	***/*** Major Capstone Course: 3 S.H.**	
PSY 1000 General Psychology	3	MATH 4890 Senior Seminar in Mathematics (WE)	3
SOC 1000 Sociology or ANTH 1800 Cultural Anthropology	3		
		PROFESSIONAL EDUCATION: (B or BETTER) 33 S.H	
		Must pass Praxis I and have a GPA of 3.0 before applying for admission to the Middle and Secondary Education (MSE) Department.	
		Sophomore Level	
***Science and Mathematics* 10 or 11 S.H.**		+EMSE 2801 Intro to Field Exp.**	3
		+SPED 2200 Multicultural Learner in Diverse Settings **	3
CPS 1231 Fund of Comp Science	4	**Junior Level (2nd Semester)**	
BIO 1000 Principles of Biology	4	EDUC 3000 Curriculum, Evaluation and Learner	3
Additional Science Course: Biology, Chemistry; Environmental Science, Earth Science, Forensics Science, Interdisciplinary, Physics, or Sustainability Science	3,4	+EDUC 3401 Lang/ Rdg. in Sec curriculum	3
		Senior Level (1st Semester)	
ADDITIONAL REQUIRED COURSES 12 S.H.		+SPED 3000 Prin & Practice Contemp. Educ. (WE) +EMSE 3220 Math Ed in K-12 (WE) +EMSE 4711 Clinical I Practice/ Subj	3 3 3
PSY 2110 Psychology of Adolescence[5] +ID 2052 Human Exceptionality** ID 3051 Tech Universal Design ID 3163 Classroom Management	3 3 3 3	**Senior Level (2nd Semester)** EMSE 4811 Clinical II Practice/ Subj (Prereq: Passing Score on Math Praxis II), (edTPA required and completed with state's qualifying score during Clinical II) SPED 4200 Teacher and Classroom	9 3
		FREE ELECTIVES: 1-2 S.H**** Optional: MATH 1996 Research Methods 1 S.H.	

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 128 S.H. 5 PSY 1000 is a prerequisite for PSY 2110.		Special Notes: + Prerequisite: 3.0 Cumulative GPA *G.E. required course; WE: Writing Emphasis **A grade of B- or higher required. ***All math major courses require a grade of C or better. ****No mathematics courses allowed other than MATH 1000 or MATH 1996	