KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
(78295) B.A. MATHEMATICAL SCIENCES (Teacher Certification K-12) 128 S.H.
DUAL CERTIFICATION FOR TEACHERS OF STUDENTS WITH DISABILITIES K-12 MATH
Kean Declaration, In the Major and Graduation GPA 3.0

For students graduating from Ocean County College with the A.S. in General Studies - Math Concentration and transferring to Kean University

Kean University Courses are in Blue (68 S.H.) Ocean County College Courses are in Green (60 S.H.)

Effective Date: Fall 2019   See the Current Academic Catalog for Requirements to Graduate with Honors

GENERAL EDUCATION: Foundation Requirements:[1]		41-42 S.H. 13 S.H.	**ACADEMIC MAJOR:		40 S.H.
GE 3000 Transfer Transitions[2]		1	**Foundation Core Courses:		18 S.H.
**ENG 1030 Composition	ENGL 151 English I	3	MATH 2415 Calculus I	MATH 265 Calculus I	4
MATH 1054 Precalculus[3,4]	MATH 191 Precalculus I*****	3	MATH 2416 Calculus II	MATH 266 Calculus II	4
**COMM 1402 Speech Communication	COMM 154 Public Speaking	3	MATH 2995 Matrix and Linear Algebra	MATH 275 Linear Algebra	3
GE 2024 Research & Technology	ENGL 152 English II	3	MATH 3415 Calculus III	MATH 267 Calculus III	4
Disciplinary & Interdisciplinary Distribution Requirements:[1]		29-30 S.H.	MATH 3544 Probability and Math Statistics		3
Humanities	9 S.H. (from different areas)		**Concentration Courses:		13 S.H.
*ENG 2403 World Literature	Select Any Lit Hum Gen Ed Course	3	MATH 2526 Applied Statistics I		3
Take two "GE Approved" course from two areas below:			MATH 2800 Mathematical Software		1
Fine Arts or History			MATH 3110 Intro to Proofs		3
Philosophy or Religion	Select Any 2 Humanities Course from the List of Approved GE Courses	3	MATH 3342 Euclidean and Non-Euclidean Geometry		3
Music or Theatre			MATH 3891 History of Mathematics		3
Interdisciplinary		3	***Major Electives Courses (with advisement, 3000-4000)		6 S.H.
			MATH		3
Social Sciences	9 S.H.		MATH		3
*HIST 1062: Worlds of History	Select Any Hist Gen Ed Course	3	*/***Major Capstone Course:		3 S.H.
PSY 1000 General Psychology	Select Any Soc Sci Gen Ed Course	3	MATH 4890 Senior Seminar in Mathematics (WE)		3
SOC 1000 Intro to Soc OR ANTH 1800 Cultural Anthropology	Select Any Soc Sci Gen Ed Course	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.		
Science and Mathematics	10-11 S.H.		+EMSE 2801 Intro to Clinical Experience**		3
CPS 1231 Fund of Comp Science	Select Any Tech Course	3	+SPED 2200 Multicultural Learner in Diverse Settings**		3
			EDUC 3000 Curriculum, Evaluation and the Learner		3
BIO 1000 Principles of Biology	MATH 192 Precalculus II*****	3	+EDUC 3401 Language/Reading in Sec Curriculum		3
One course from Bio, Chem, Env Sci, Earth Sci, Forensic Sci, ID, Physics or Sust Sci[6]	GE Lab Science	4	+SPED 3000 Prin & Practice Contemp. Education (WE)		3
ADDITIONAL REQUIRED COURSES	12 S.H.		+EMSE 3220 Mathematics Education in K-12 (WE)		1
PSY 2110 Psychology of Adolescence[5]		3	+EMSE 4711 Clinical I Practice/Subj		3
+ID 2052 Human Exceptionality**	EDUC 178 Intro to Ed of Exceptional	3	EMSE 4811 Clinical II Practice/Subj (Prereq: Passing score on Praxis II) (edTPA required and completed with state's qualifying score during Clinical II)		9
ID 3051 Computer Tech in Today's Society		3	SPED 4200 Teacher and Classroom		3
ID 3163 Classroom Management		3	FREE ELECTIVES:		1-2 S.H. ****

Special Notes:	Optional: MATH 1996 Research Methods		1
[1] See prerequisites and equivalencies. [2] University Requirement for Graduation for all undergraduate students that must be satisfied in one way: 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	1000-4000 elective	STSC 150 Student Success Seminar	2

+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.

another 3 credits in free electives to total 128 S.H. [5] PSY 1000 is a prerequisite for PSY 2110. +Prerequisite 3.0 Cumulative GPA.	*****If a student begins the Mathematics sequence at a higher level, any remaining OCC credits will apply to Pre-Calc I & II.

Revised 05/06/2020