New Jersey Center for Science, Technology \& Mathematics (NJCSTM)
Bachelor of Science in Science \& Technology / Mathematics
Master of Art in Instruction \& Curriculum / Science \& Technology Option / Math Education
Five Year Pathway to Graduation in the Math Education Option
This prototype should be used only as a guide; consult with your NJCSTM academic advisor for individual plans.

Name: $\qquad$
Student ID: $\qquad$

FRESHMAN YEAR / NJCSTM-1

## Summer Session II Incoming Yr-1

GE 1000 Transition to Kean NJCSTM section $\qquad$ 1 Date of Matriculation $\qquad$
NJCSTM Mathematics Education Program Code 30104

Fall Semester Yr-1
ENG 1030 College Composition HIST 1062 Worlds of History

STME 1403 Math \& Computational Methods I
STME 1401 Chemical Systems I
STME 2610 Current Issues in Science \& Tech I
Total Credits (including entering summer credit)

## Spring Semester Yr-1

3 COMM 1402 Speech Communication 3
3 GE 2024 Research \& Technology (NJCSTM 3 section)
PSY 1000 Intro to Psychology 3
STME 1603 Math \& Comp Methods II 4
STME 1601 Chemical Systems II 4
Total Credits

## SOPHOMORE YEAR / NJCSTM-2

## Fall Semester Yr-2

MATH 3110 Introduction to Proofs
STME 2401 Physical Systems (Physics I)
STME 2403 Math \& Computational Methods III
ENG 2403 World Literature
EMSE 2801 Intro Field Exp Subject Area K-12

Total Credits
17 Total Credits

## JUNIOR YEAR / NJCSTM-3

Fall Semester Yr-3<br>STME 2601 Living Systems<br>STME 2603 Probabilistic Methods in Science<br>MATH 3452 Calculus IV<br>MATH 3342 Euclidean/Non Geometry<br>Free Elective

Total Credits

## Spring Semester Yr-3

MATH 3891 History of Mathematics 3
MATH 3544 Probability \& Math Statistics 3
MATH 3455 Differential Equations 3
STME 3610 Current Issues in Sci \& Tech II 1
Free Elective 3
Free Elective 3

+ Apply for field placement by April $15^{\text {th }}$
Total Credits16


## SENIOR YEAR / NJCSTM-4

## Fall Semester Yr-4

EDUC 3000 Curriculum, Evaluation \& Learner
MATH 4805 Math Modeling \& Applications
MATH 3225 Comp Matrix and Lin Algebra
EMSE 5315 Intro to Language Arts \& Reading
Major Elective
Total Credits

## Spring Semester Yr-3

EMSE 3903 Tchng English Language Learners 1
EMSE 3220 Mathematics Education K-12 3
EMSE 5320 Computers in School Curriculum 3
EMSE 3801 Field Exp in Instruction K-12 2
STME 4610 Science \& Technology Seminar 3

+ Apply for field placement by April $15^{\text {th }}$
Total Credits

TOTAL CREDITS REQUIRED FOR THIS B.S. Science \& Technology OPTION: 125 S.H.
MASTERS YEAR / NJCSTM-5 MA INSTRUCTION \& CURRICULUM / SCI \& TECH / MATH Program code: 30662

## Summer Session I Yr-5

Graduate Education Elective

## Fall Semester Yr-5

EMSE 5323 Theory \& Practice Teaching Math
EMSE 5561 Foundations of Education
MATH 5770 Current Issues in Math Education
Graduate Education Elective

## Summer Session II Yr-5

3 SPED 5024 Differentiating Instruction in the 3 Inclusive Classroom

## Spring Semester Yr-5

EMSE 5564 Professional Internship 6
EMSE 5031 Action Research Integ. Seminar 3
STME 5610 Adv Science \& Tech Seminar 3

Total Credits
12 Total Credits

