



New Jersey Center for Science, Technology & Mathematics (NJCSTM)

**Bachelor of Science in Science & Technology / Biomedicine
Four Year Pathway to Graduation in Biomedicine Option**

This prototype should be used only as a guide; consult with your NJCSTM academic advisor for individual plans.

Name: _____

Date of Matriculation _____

Student ID: _____

NJCSTM option **30110 Program Code Biomed**

FRESHMAN YEAR / NJCSTM-1

Summer Session II Incoming Yr-1

GE 1000 Transition to Kean NJCSTM section ___1___

Fall Semester Yr-1

ENG 1030 Composition	3
HIST 1062 Worlds of History	3
STME 1403 Math & Computational Methods I	4
STME 2610 Current Issues Sci & Tech I	1
STME 1401 Chemical Systems I	4

Spring Semester Yr-1

COMM 1402 Speech Communication	3
GE 2024 Res & Tech (NJCSTM section)	3
PSY 1000 Intro to Psychology	3
STME 1603 Math & Comp Methods II	4
STME 1601 Chemical Systems II	4

Total Credits 16 (includes entering summer credit)

Total Credits 17

SOPHMORE YEAR / NJCSTM-2

Fall Semester Yr-2

STME 2601 Living Systems	4
STME 2401 Physical Systems (Physics I)	4
STME 2403 Math & Comp Methods III	4
STME 2681 Organic Chemistry I H Lecture	3
STME 2683 Organic Chemistry I H Lab	2

Spring Semester Yr-2

BIO 3704 Principles of Genetics	3
BIO 3305 Principles of Microbiology	4
STME 2402 Physical Systems II (Physics II)	4
STME 2682 Organic Chemistry II H Lecture	3
STME 2684 Organic Chemistry II H Lab	2
<i>+Take Kean's Foreign Language Placement Test</i>	

Total Credits 17

Total Credits 16

*+Take MCAT Prep Course Summer post Sophomore Year if pre-med
Or Take GRE prep course after Sophomore Year if pre-PT*

JUNIOR YEAR / NJCSTM-3

Fall Semester Yr-3

BIO 3433 Anatomy & Physiology I	4
Foreign Language Course #1	3
BIO 3705 Principles of Genetics Lab	2
STME 2603 Probabilistic Methods of Science	4
Free Elective (History of Sci/Med/Tech, Human Rights, Sustainability)	3

+Take MCAT Examination if pre-med OR GRE if pre-PT

Total Credits 16

Spring Semester Yr-3

STME 3610 Current Issues in Sci & Tech II	1
BIO 3434 Anatomy & Physiology II	4
Foreign Language Course #2	3
ENG 2403 World Literature	3
Major Elective or Independent Study	3-4

Total Credits 14-15

SENIOR YEAR / NJCSTM-4

Fall Semester Yr-4

Major Elective or Independent Study	3-4
BIO 4105 Essentials of Biochemistry	4
BIO 3405 Basic Gross Anatomy	4
BIO 4310 Virology	4
Foreign Language Course #3	3

Total Credits 18-19

Spring Semester Yr-4

STME 4610 Sci & Tech Seminar (Capstone)	3
STME 4611 Service Learning	1
BIO 4315 Immunology	4
STME 4410 Systems Neuroscience	3
Foreign Language Course #4	3

Total Credits 14

TOTAL CREDITS REQUIRED FOR THIS B.S. Science & Technology OPTION: 128-130 S.H.