### General Education: 34 Semester Hours (S.H.)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE 1000: Transition to Kean or GE 3000 Transfer Transition*</td>
<td>1</td>
</tr>
<tr>
<td>ENG 1030: College Composition†</td>
<td>3</td>
</tr>
<tr>
<td>STME 2000: Math. &amp; Comp. Methods of Science I &amp; II</td>
<td>3</td>
</tr>
<tr>
<td>STME 2099: Math. &amp; Comp. Methods of Science I Lab</td>
<td>1</td>
</tr>
<tr>
<td>COMM 1402: Speech Communication As Critical Citizen‡</td>
<td>3</td>
</tr>
<tr>
<td>GE 2024: Research &amp; Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

### Disciplinary & Interdisciplinary Distribution Requirements: 20 S.H.

**Humanities:** 6 S.H.
- *ENG 2403: World Literature* 3

**Social Sciences:** 6 S.H.
- *HIST 1062: Worlds of History* 3
- *SOC 1000: Introduction to Sociology* 3

**Science and Mathematics:** 8 S.H.
- STME 2100: Math. & Comp. Methods of Science II & II Lab 3
- STME 2199: Math. & Comp. Methods of Science II Lab 1
- STME 1000: Chemical Systems I 3
- STME 1099: Chemical Systems I Lab 1

**Additional Required Courses:** 19 S.H.
- Foreign lang. course selected w/ advisement 3
- STME 1700: Living Systems I 3
- STME 1799: Living Systems I Lab 1
- STME 2700: Physical Systems I 3
- STME 2799: Physical Systems I Lab 1
- STME 2300: Probabilistic Methods in Science & 3
- STME 2399: Probabilistic Methods in Science Lab 1
- STME 1903: Research Methods-RFI 1

### Academic Major: 63 S.H.

**Program Core Requirements:** 18 S.H.
- STME 1800: Living Systems II & 3
- STME 1899: Living Systems II Lab 1
- STME 1100: Chemical System II & 3
- STME 1199: Chemical System II Lab 1
- STME 2681: Organic Chemistry Honors Lecture I 3
- STME 2683: Organic Chemistry Honors Lab I 2
- STME 2682: Organic Chemistry Honors Lecture II 3
- STME 2684: Organic Chemistry Honors Lab II 2

**Program Option Requirements:** 38-42 S.H.
- BIO 3403: Anatomy & Physiology I 4
- BIO 3404: Anatomy & Physiology II 4
- BIO 3405: Basic Gross Anatomy 4
- STME 3100: Biochemistry Honors I & 3
- STME 3199: Biochemistry Honors Lab I 1
- BIO 3709: Genetics 4
- BIO 3315: Microbiology 3
- BIO 3315L: Microbiology Lab 1
- BIO 4316: Immunology 3
- BIO 4316L: Immunology Lab 1
- BIO 4310: Virology 4
- BIO 3406: Neuroscience 4
- STME 4611: NJCSTM Serv. Learning (taken w/STME 4610) 1
- STME 2903: Research Experience-RFI & 2
- STME 3903: Advanced Research Experience-RFI† OR
- STME 3171-73: STEM Internship‡ 3 OR
- STME 3610: Current Issues§ 1

**Major Capstone Course:** 3 S.H.
- STME 4610: Science & Technology Seminar (WE) 3

**Major Electives:** 0-4 S.H.
- (Select major elective courses with advisement in STME, BIO or CHEM at the 3000 level or higher)

**Free Electives:** 4 S.H.
- (Select with advisement courses in ecology, ethics & issues courses, history of science/medicine, medical anthropology, human rights/genocide, sustainability; at least 50% must be 3000/4000 level)

### Special Notes:
- All prerequisites for major courses must be passed with a grade of C or better.
- * GE Distribution course required of all students
- † Course required by Major
- ‡ Foundation Requirements & Additional Required Courses require a grade of C or better, except ENG 1030 and COMM 1402 require B- or better.
- † See prerequisites & equivalencies (on page 2).
- ‡ University Requirement for Graduation for all undergraduate students that must be satisfied in one of two ways: Complete GE 1000 (all freshmen & transfers entering with 0-29 credits) OR complete GE 3000 (transfers entering with 30 credits or more).

*B.S. SciTech: Biomedicine Curriculum Sheet v. 4/8/2019*
GENERAL EDUCATION AND UNIVERSITY REQUIREMENTS

GENERAL EDUCATION
INFORMATION AND REQUIREMENTS

Testing and Placement
Incoming freshmen and transfer students may be placed in specific GE Foundations, Developmental or ESL courses as a result of testing prior to registration. Students may be exempt from testing due to SAT scores or prior college work.

Prerequisites and Equivalencies for GE Foundations Courses

GE 1000
Required of all freshmen & transfers entering with 0-29 credits
Prereq: None
Equiv: ID 1001

GE 3000
Required of transfers entering with 30 credits or more
Prereq: 30 credits and ENG 1030

ENG 1030
Prereq: Placement testing or exemption from placement testing
Equiv: ENG 1031/1032, ENG 1033/1034, ENG 1430, ENG 1620, ENG 1020, ENG 1400

MATH 1000 or 1010 or 1016 or 1030
Prereq: MATH 0901 if required by placement testing
Equiv of MATH 1000: MATH 1001/1002, MATH 1003/1004, MATH 1051

MATH 1044 or 1054
Prereq: MATH 0901 if required by placement testing and MATH 1000
*MATH 1044 is available as a Foundation option for CBPM students only

COMM 1402
Prereq: CS 0412 if required by placement testing
ENG 1031/1032 or ENG 1033/1034 if required by placement testing
May be taken concurrently with ENG 1030
Equiv: COMM 1400

GE 2021-2026 Research and Technology is offered as college-based course
GE 2021 College of BPM
GE 2022 College of EDU
GE 2023 College of CLA
GE 2024 College of NAHS & NJCSTM & NWGC
GE 2025 SFPA & Michael Graves College
GE 2026 Undecided Majors and other special populations
Prereq: CS 0412 if required by placement testing
ENG 1030 or equivalent
Equiv: GE 2020

GE Distribution Courses

Approved GE Distribution Courses
All courses taken under the General Education Disciplinary/Interdisciplinary Distribution requirements must be selected from the Approved General Education Distribution Course List.
These courses are designated as GEHU, GESS, and GESM.
GEHU Humanities
GESS Social Sciences
GESM Science and Mathematics

Required GE Distribution Courses

ENG 2403 is a required Humanities Distribution course with an emphasis on diversity.
Prereq: CS 0412 if required by placement testing; ENG 1030 or equivalent
Equiv: ENG*2203

HIST 1062 is a required Social Sciences Distribution course.
Prereq: None

Foreign Language Credit
The three credits for a foreign language that may satisfy the GE Disciplinary/Interdisciplinary Distribution Requirement are awarded only upon successful completion of the second of two semesters of study at the introductory or intermediate level.
Credit for the first semester may be used as elective credit.

UNIVERSITY REQUIREMENTS

GE 1000/3000 Requirement
All undergraduate students must satisfy this University requirement for graduation by successfully completing one of the following courses at Kean University: GE 1000
Transition to Kean (all freshmen and transfers entering with 0-29 credits) or GE 3000 Transfer Transitions (transfers entering with 30 credits or more).

Writing-EmpHASIS Requirement
All students are required to complete one "Writing-EmpHASIS" course. The "W-E" course must be within the major portion of your program. Consult your major program advisor for specific information.