**Kean University 120 S.H.**

**New Jersey Center for Science, Technology & Mathematics**

# BS Science & Technology: Biology Option (30101)

**4 Year Plan**

| | | | | | | | | *Recommended Credits* | |
|---|---|---|---|---|---|---|---|---|---|
| ***Year*** **01** | *Fall* | STME 2000 & 2099<br>Math/Comp Methods I (3 cr)<br>& Lab (1 cr) | STME 1000 & 1099<br>Chemical Systems I (3 cr)<br>& Lab (1 cr) | STME 1700 & 1799<br>Living Systems I (3 cr)<br>& Lab (1 cr) | STME 1903<br>Research Methods (1 cr) | ENG 1030<br>College Composition (3 cr) | GE 1000<br>Transition to Kean (1 cr) | 17 | |
| | *Winter* | | | | | | | | |
| | *Spring* | STME 2100 & 2199<br>Math/Comp Methods II (3 cr)<br>& Lab (1 cr) | STME 1100 & 1199<br>Chemical Systems II (3 cr)<br>& Lab (1 cr) | STME 1800 & 1899<br>Living Systems II (3 cr)<br>& Lab (1 cr) | *RFI Track:*<br>STME 2903<br>Research Experience (2 cr) | COMM 1402<br>Speech Commun (3 cr) | | 15-17 | |
| | *Summer* | | | | | | | | |
| ***Year*** **02** | *Fall* | GE 2024<br>Research & Tech (3 cr) | *Non-RFI Track*:<br>HIST 1062<br>World of History (3 cr) | ES 1000<br>Observing the Earth (3 cr) | BIO 2500<br>Principles of Botany (4 cr) | PSY 1000<br>General Psychology (3 cr) | *RFI Track:*<br>STME 3903<br>Advanced Res Exp (3 cr) | 16 | |
| | *Winter* | | | | | | | | |
| | *Spring* | STME 2300 & 2399<br>Probabilistic Methods (3 cr)<br>& Lab (1 cr) | GE Approved Humanities<br>Requirement (3 cr) | EMSE 2801<br>Intro Field Experience (3 cr) | PSY 2110<br>Psych of Adolescence (3 cr) | | | 13 | |
| | *Summer* | | | | | | | | |
| ***Year*** **03** | *Fall* | STME 2681 & 2683<br>Organic Chem Honors I (3 cr)<br>& Lab (2 cr) | STME 2700 & 2799<br>Physical Systems I (3 cr)<br>& Lab (1 cr) | BIO 3400<br>Zoology Form & Funct (4 cr) | BIO 3614<br>Principles of Ecology (4 cr) | | | 17 | |
| | *Winter* | | | | | | | | |
| | *Spring* | STME 2682<br>Organic Chem Honors II (3 cr) | BIO 3403<br>Anatomy & Physiology I (4 cr) | *Non-RFI Track:*<br>STME 3610<br>Current Issues (1 cr) | BIO 3709<br>Genetics (4 cr) | ENG 2403<br>World Literature (3 cr) | | 14-15 | |
| | *Summer* | | | | | | | | |
| ***Year*** **04** | *Fall* | BIO 3315 & 3315L<br>Microbiology (3 cr)<br>& Lab (1 cr) | EMSE 3230<br>Science Educ K-12 (3 cr) | EMSE 5315<br>Lang Arts & Reading (3 cr) | EMSE 5320<br>Computers in School (3 cr) | | | 13 | |
| | *Winter* | | | | | | | | |
| | *Spring* | STME 3100 & 3199<br>Biochemistry Honors I (3 cr)<br>& Lab (1 cr) | STME 4610<br>Science & Tech Sem (3 cr) | EDUC 3000<br>Curric, Eval & Learner (3 cr) | EMSE 3903<br>Teach Eng Lang Learn (1 cr) | *Non-RFI Track:*<br>Free Elective (3 cr) | *RFI Track:*<br>HIST 1062<br>World of History (3 cr) | 14 | |
| | | *Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.* | | | | | **TOTAL REQUIRED** | **120-124** | |

*Fall 2019 v. 6.17.19*