**The Dorothy and George Hennings College of Science, Mathematics and Technology/School of Natural Sciences**

# BA. BIOLOGY (General Option)

**4 Year Plan**

*Effective 9/1/2023*

| | | | | | | | | | Kean University 120 S.H. Credits | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Year 01** | *Fall* | GE 1000/3000 Transition to Kean/Transfer Transitions (1 cr) | ENG 1030 College Composition (3 cr) | MATH 1054 precalculus (3 cr) | BIO 1300 General Biology I (4 cr) | CHEM 1083 Chemistry I (4 cr) | | | 15 | |
| | *Winter* | | | | | | | | | |
| | *Spring* | | COMM 1402 Speech Communication (3 cr) | MATH 2415 (4 cr) | Bio 1400 General Biology II (4 cr) | CHEM 1084 Chemistry II (4 cr) | | | 15 | |
| | *Summer* | | | | | | | | | |
| **Year 02** | *Fall* | | MATH 1016 Statistics (3 cr) | GE 2024 Research and Technology (3 cr) | BIO 2500 Principles of Botany (4 cr) | CHEM 2581 Organic Chemistry 1 lecture (3 cr) | CHEM 2581L Organic Chemistry 1 Lab (1 cr) | | 14 | |
| | *Winter* | | | | | | | | | |
| | *Spring* | | Free Elective (3 cr) | HIST 1062 Worlds of History 3 cr | BIO 3400 Zoology Form and Function (4 cr) | CHEM 2582 Organic Chemistr 2 lecture (3 cr) | CHEM 2582L Organic Chemistry 2 Lab (1 cr) | | 14 | |
| | *Summer* | | | | | | | | | |
| **Year 03** | *Fall* | | Free Elective (3 cr) | Biology Major Elective (3-4 cr) | BIO 3614 Principles of Ecology (4 cr) | ENG 2403 World Literature ( 3 cr) | GE approved Social Science (3 cr) | | 16-17 | |
| | *Winter* | | | | | | | | | |
| | *Spring* | | Free Elective (3 cr) | Free Elective (3 cr) | Biology Major Elective (4 cr) | BIO 3709 Principles of Genetics (4 cr) | GE approved Humanities (3 cr) | | 17 | |
| | *Summer* | | | | | | | | | |
| **Year 04** | *Fall* | | Free Elective (3 cr) | Free Elective (1-3 cr) | BIO 4970 Seminar in Integrative Biology (3 cr) | PHYS 2091 General Physics 1 (4 cr) | GE approved Humanities (3 cr) | | 14-16 | |
| | *Winter* | | | | | | | | | |
| | *Spring ** | | GE approved Social Science (3 cr) | Free Elective (3 cr) | Biology Major Elective (4 cr) | PHYS 2092 General Physics 2 or SUST 1000 Intro to Sustainability (3-4 cr) | | | 13-14 | |
| | | | | | | | **TOTAL** | | **120** | |

*Please see the Curriculum Sheet for this program via Quick Links on the Kean University home page.*

**Students who place into MATH 0901 or MATH 1000 are encouraged to take these in the summer, prior to their freshman year, to avoid delaying their progress into biology major courses.*