

**KEAN UNIVERSITY: COLLEGE OF College of Natural, Applied and Health Sciences** **(70100) B.A. in Biology (General Option): 120 SEMESTER HOURS (S.H.)**

**For students graduating from Brookdale Community College with the A.S. in Mathematics/Science-Biology Option and transferring to Kean University**

**Kean University Courses are in Blue (55 S.H.) Brookdale Community College Courses are in Red (65 S.H.)**

**EFFECTIVE: Fall 2021 KEAN GPA REQUIREMENTS: Minimum 2.5 for Declaration G.P.A., Major G.P.A. and Graduation G.P.A.**

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| **GENERAL EDUCATION: 42 S.H.** | | | | **ADDITIONAL REQUIRED COURSES: 23 S.H.** | | | |
| **Foundations Requirements 13 S.H.** | | | | CHEM 2581 Organic Chemistry I Lecture3 | | CHEM 203 Organic Chem I | 3 |
| GE 3000 Transfer Transitions | | 1 | | CHEM 2581L Organic Chemistry I Lab | | 1 |
| ENG 1030 English Comp | ENGL 121 English Comp I | 3 | | CHEM 2582 Organic Chemistry II Lecture | | CHEM 204 Organic Chem II | 3 |
| MATH 1054 Pre-Calculus | | 3 | | CHEM 2582L Organic Chemistry II Lab | | 1 |
| COMM 1402 Speech Comm | Extra credits from CHEM 101, CHEM 102 and MATH 1311, 2 | 3 | | ENV 1000 Intro to Environmental Sci | | BIOL 208 Ecology and Field Biology | 3 |
| GE 2024 Research & Technology | ENGL 122 English Comp II | 3 | | MATH 2415 Calculus I | | | 4 |
|  | | | | PHYS 2091 General Physics I | | | 4 |
| **DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION COURSES 19 S.H.** | | | | PHYS 2092 General Physics II | | | 4 |
| **Humanities (from different areas): 9 S.H.** | | | |  | | | |
| ENG 2403 World Literature | BCC General Education Credits I1 | 3 | | **ACADEMIC MAJOR: 32 S.H.** (all major courses require a minimum grade of C) | | | |
| ***Take two “GE-approved” courses from two areas below:*** | | | | **Major Required Courses 24 S.H.** | | | |
| Fine Arts or Art History | BCC Humanities Requirement1 | 3 | | BIO 1300 General Biology I | | BIOL 101 General Biology I | 4 |
| Philosophy or Religion | BIO 1400 General Biology II | | BIOL 102 General Biology II | 4 |
| Foreign Languages (must take I  and II for credit) | BIO 2500 Principles of Botany | | | 4 |
| BCC Humanities/Social Sciences Requirement1 | 3 | |
| Music or Theatre | BIO 3400 Zoology: Form & Function | | | 4 |
| Interdisciplinary | BIO 3614 Principles of Ecology (WE) | | | 4 |
|  | | | | BIO 3709 Principles of Genetics | | | 4 |
| **Social Sciences: 9 S.H.** | | | | **Biology Major Electives: 8 S.H.**  *Selected with Departmental advisement at 3000-4000 level* | | | |
| HIST 1062 Worlds of History | BCC General Education Credits II1 | 3 | | Major Elective 1 | | Take any one of the following BCC courses: BIOL 205, BIOL 206, BIOL 207, BIOL 213 or BIOL 215 | 4 |
| ***Take two “GE-approved” courses from two areas below:*** | | | |
| Psychology | BCC Social Sciences Credits1 | 3 | |
| Political Science |
| Economics, World Geography or  ES 1010 |
| Extra credits from CHEM 203, CHEM 204 and BIOL 2081 | 3 | | Major Elective 2 | | | 4 |
| Sociology / Anthropology |  | | | |
| Interdisciplinary | **Major Capstone Course: 3 S. H.** | | | |
|  | | | | BIO 4970 Seminar in Integrative Biology | | | 3 |
| **Science & Mathematics: 11 S.H.** | | | |  | | | |
| MATH 1016 Statistics (BIO Section) | MATH 131 Statistics2 | | 3 | **FREE ELECTIVES: 20 S.H.**  **(50% of the credits must be at the 3000-4000 level)** | | | |
| CHEM 1083 Chemistry I3 | CHEM 101 General Chem I3 | 4 | |
| CHEM 1084 Chemistry II3 | CHEM 102 General Chem II3 | 4 | | BIO 1996 Intro to Biological Research (optional) | | | 0-1 |
|  | | | | BIO 3291-93 Internship (optional) | | | 0-3 |
| 1This substitution is allowed under the NJ Statewide Transfer Agreement if  you graduate with the A.S. in Mathematics/Science – Biology Option from Brookdale Community College. | | | | Any 1000-4000 level Kean Course | | | 3 |
| Any 1000-4000 level Kean Course | | | 3 |
| FEX 1000 | MATH 151 or MATH 1524 | | 4 |
| 2MATH 131 (Statistics) is a prerequisite for BIOL 208 Ecology and Field  Biology at Brookdale Community College and fulfills the Elective Credit Requirement for the A.S. in Mathematics/Science – Biology Option. | | | | Any 3000-4000 level Kean Course | | | 3 |
| Any 3000-4000 level Kean Course | | | 3 |
| Any 3000-4000 level Kean Course(s) | | | 4 |
| 3Kean University requires a minimum grade of C in this course. | | | |  | | | |
| 4MATH 151 or MATH 152 is a prerequisite or corequisite for BIOL 208 at Brookdale Community College. | | | | **TOTAL CREDITS 120 S.H.** | | | |
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