

(70104 BIO/GEN) B.A. BIOLOGY 4-year Study Plan

Please check the academic guide sheets at <https://www.kean.edu/offices/registrars-office/curriculum-sheets/dorothy-and-george-hennings-college-science-mathematics>

Name:	Faculty Advisor:
Kean Id#	Catalog Year:

Keanwise shows what catalog year you are listed as in your major; catalog year may affect particular courses in your degree needed for graduation.

THIS STUDY PLAN IS FOR CATALOG YEAR FALL 2023 (requires 2.0 GPA)

1st Year Fall (15)	1st Year Spring (15)
MATH 1054 Precalculus (3) *	MATH 2415 Calculus I (4)
BIO 1300 General Biology I (4) [prerequisite is MATH 1000]	BIO 1400 General Biology II (4)
ENG 1030 College Composition (3)	COMM 1402 Speech Comm. (3)
GE 1000/3000 Transition to Kean (1)	CHEM 1084 General Chemistry II (4)
CHEM 1083 General Chemistry I (4)	

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

2nd Year Fall (14)	2nd Year Spring (15)
MATH 1016 Statistics (3)	BIO 3400 Zoology Form and Function (4)
BIO 2500 Principles of Botany (4)	HIST 1062 Worlds of History (3)
CHEM 2581 Organic Chemistry I Lecture (3)	CHEM 2582 Organic Chemistry II Lecture (3)
CHEM 2581L Organic Chemistry I Lab (1)	CHEM 2582L Organic Chemistry II Lab (1)
GE 2024 Research and Technology (3)	Free Elective (3)

3rd Year Fall (16-17)	3rd Year Spring (17)
ENG 2403 World Literature (3)	BIO 3709 Principles of Genetics (4)
BIO 3614 Principles of Ecology (4)	BIO Major Elective (4)
BIO Major Elective (3-4)	Free Elective (3)
Free Elective (3)	Free Elective (3)
GE Approved Social Science (3)	GE Approved Humanities (3)

4th Year Fall (14-16)	4th Year Spring (13-14)
PHYS 2091 General Physics I (4)	PHYS 2092 General Physics II (4) or SUST 1000 Intro to Sustainability (3)
BIO 4970 Seminar in Integrative Biology (3)	BIO Major Elective (4)
GE Approved Humanities (3)	GE Approved Social Science (3)
Free Elective (3)	Free Elective (3)
Free Elective (1-3)	

Suggested Fall offered BIO Major Courses	Suggested Spring offered BIO Major Courses
BIO 4700 Molecular Genetics	BIO 4325 Applied Microbiology
BIO 3829 Basic Tissue Culture	BIO 4236 Cell Physiology
BIO 3450 Biology of Aging	BIO 4236L Cell Physiology lab
BIO 3403 Anatomy & Physiology I	BIO 3835 Biostatistics
BIO 3315 Microbiology and BIO 3315L Microbiology Lab	BIO 3450 Biology of Aging
BIO 3100 Medical Terminology	BIO 3404 Anatomy & Physiology II

Notes:

Major electives are distinct from free electives as free electives mean outside your BIO major; Kean's policy is that half the credits in free electives must be at the 3000/4000 level.

The B.A. Biology degree is available in either the in person or the online format. However, to be an online student, students must submit a form for approval and online science courses may not be acceptable for certain degree paths. In person biology majors are required to take all science lab courses in person.

Rev. 10/2025

NSO Only; Transfer students will need Transfer Services at Kean to determine Kean equivalency

Note: The course sequence and layout provided is an estimate, based on available information and may change, due to program requirements, student performance, and may be subject to human error. All students should check their study plans and take personal responsibility for accuracy and correctness.