

(70190 BIOED) B.A. Biology Education 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.

1st Year Fall (15)	1st Year Spring (14-15)
MATH 1054 Precalculus (3) *	MATH 2415 Calculus I (4) or MATH 1016 Statistics (3)
BIO 1300 General Biology I (4) [prerequisite is MATH 1000]	BIO 1400 General Biology II (4)
ENG 1030 College Composition (3)	GE 2024 Research and Technology (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 (16)	2nd Year Spring (17)
ID 2025 Human Exceptionality (3) [now SPED 2056]	BIO 3400 Zoology Form and Function (4)
BIO 2500 Principles of Botany (4)	HIST 1062 Worlds of History (3)
PSY 1000 General Psychology (3)	ENG 2403 World Literature (3)
COMM 1402 Speech Comm. (3)	PHYS 2091 General Physics I (4)
EMSE 2801 Clinical Experience I in Subject Area Instruction K-12 (3)	PSY 2110 Psychology of Adolescence (3)

3rd Year Fall (17)	3rd Year Spring (14-15)
BIO 3709 Principles of Genetics (4)	BIO 4970 Seminar in Integrative Biology (3)
BIO 3614 Principles of Ecology (4)	BIO Major Elective (2-3)
ES 1000 Observing Earth (3)	EMSE 3122 Technology in Education (3)
EDUC 3000 Curriculum Evaluation and the Learner (3)	EDUC 3401 Language Arts/Reading in K-12 Subject Area Teaching (3)
GE Approved Social Science (3)	GE Approved Humanities (3)

4th Year Fall (13-14)	4th Year Spring (12)
EMSE 3230 Science Education K-12 (3)	EDUC 4000 Teacher and the Classroom (3)
EMSE 3903 English Language Learners in American Schools (3)	ESME 4811 Clinical II Practice in Subject Area Instruction K-12 (9)
GE Approved Humanities (3)	
ESME 4711 Clinical I Practice in Subject Area Instruction K-12 (3)	
BIO Major Elective (3-4)	

Fall offered BIO Major Courses	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 4913 Special Topics	BIO 3835 Biostatistics
BIO 3315 Microbiology and BIO 3315L Microbiology Lab	BIO 3450 Biology of Aging
BIO 3100 Medical Terminology	BIO 4913 Special Topics

Notes:

The B.A. Biology Education degree is an in person degree; in person biology majors are required to take all science lab courses in person.

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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.