

BS in Biology with concentration in Ecology, Evolution, & Organismal Biology

Below is a sample 4-year plan for students pursuing the BS in Biology with a concentration in Ecology, Evolution, and Organismal Biology. To view the list of courses approved to fulfill KU Core Goals, please visit the KU Core website (<http://kucore.ku.edu/courses>).

This degree plan assumes students will have the equivalent of MATH 101 or MATH 104 prior to the freshman year, fall semester.

Freshman

Fall	Hours Spring	Hours
Goal 2.1 Written Communication (First Course, 2 Crs Required)	3 Goal 2.1 Written Communication (Second Course, 2 Crs Required)	3
Goal 2.2. Oral Communication	3 MATH 115 (Goal 1.2 Quantitative Literacy, General Science Requirement) ³	3
BIOL 105 (General Science Requirement) ¹	1 CHEM 135 (General Science Requirement) ⁴	5
CHEM 130 (Goal 1.2 Quantitative Literacy or Goal 3 Natural Science, General Science Requirement)	5 BIOL 152 (Goal 3 Natural Science, Major Requirement)	4
BIOL 150 (Goal 3 Natural Science, Major Requirement) ²	4	
	16	15

Sophomore

Fall	Hours Spring	Hours
Goal 3 Social Science	3 Goal 3 Humanities	3
MATH 116 (General Science Requirement) ³	3 PHSX 114 or 211 and 216 (Goal 1.1 Critical Thinking, Goal 1.2 Quantitative Literacy, or Goal 3 Natural Science, General Science Requirement)	4
CHEM 310 or 330 (General Science Requirement) ^{4,5}	3 BIOL 412 (Major Requirement) ⁴	4
BIOL 350 (Major Requirement)	4 BIOL 501 (or BIOL 544 in the Fall, Major Requirement) ^{4,6}	3
Elective (Total Hours)	3	
	16	14

Junior

Fall	Hours Spring	Hours
Goal 4.1 US Diversity	3 Goal 4.2 Global Awareness	3
PHSX 115 or 212 and 236 (General Science Requirement)	4 BIOL 600 (General Science Requirement)	3

BIOL 414 (Major Requirement) ⁴	3 BIOL 428 (or BIOL 413 in the Fall, Major Requirement option) ^{4,7}	3
BIOL 570 (Major Requirement) ⁴	4 BIOL Elective 400+ (Major Requirement) ⁸	3
Elective (Total Hours)	3 BIOL Elective Lab 400+ (Major Requirement) ⁸	2
	17	14

Senior

Fall	Hours Spring	Hours
Goal 5 Social Responsibility & Ethics	3 BIOL 599 (Goal 6 Integration & Creativity, Major Requirement)	1
BIOL Elective 400+ (Major Requirement) ⁸	3 BIOL Elective 400+ (Major Requirement) ⁸	3
BIOL Elective Lab 400+ (Major Requirement) ⁸	2 BIOL Elective 400+ (Major Requirement) ⁸	3
Elective (Total Hours)	3 BIOL Elective Seminar/ Topics 400+ (Major Requirement) ⁸	2
Elective (Total Hours)	3 Elective (Total Hours)	2
(BIOL 413 if BIOL 428 was not taken previous Spring, Major Requirement option, 3 hours)	Elective (Total Hours)	3
	14	14

Total Hours 120

- BIOL 105: Biology Orientation Seminar (1 hour online course) is required for the major. It can be taken the summer prior to your freshman year.
- Concurrent or prior enrollment in CHEM 130 is required.
- Requires a Math ACT score of 26+, a comparable SAT or KU Math Placement Exam score, or credit for a MATH 101 or MATH 104 equivalent course. MATH 125 can be taken instead of MATH 115 + MATH 116 to fulfill the BS Biology math requirement.
- CHEM 135, BIOL 412, BIOL 428, and BIOL 501 are Spring only courses. CHEM 310, BIOL 413, BIOL 414, BIOL 544 and BIOL 570 are Fall only courses.
- Most medical schools require the full CHEM 330, CHEM 331, CHEM 335, and CHEM 336 sequence.
- Select either BIOL 501 (Spring) or BIOL 544 (Fall).
- Select either BIOL 413 (Fall) or BIOL 428 (Spring).
- 18 credit hours of BIOL courses at 400+ level, including at least 4 h of lab credit and 2 h of seminar/topics course credit (BIOL 419, BIOL 420, BIOL 499, BIOL 701). No more than 5 h of BIOL 423 and/or BIOL 424 can be applied towards elective requirement, with no more than 2 h of BIOL 424 applied towards the lab requirement.

Please note:

All students in the College of Liberal Arts and Sciences are required to complete 120 total hours of which 45 hours must be at the Jr/Sr (300+) level.

The same course cannot be used to fulfill more than one KU Core Goal. However, overlap of a KU Core course with a major or degree-specific

requirement is allowed. Overlapping is recommended to allow more opportunities to explore other majors and/or minors.