

ADVISING TRACK: EEBC-ECOLOGY, EVOLUTION, BEHAVIOR, AND CONSERVATION

The BIOS B.S. requirements are the same for all BIOS students. However, the courses you take beyond the required courses are flexible and can be chosen to best fit your area of interest. Below are course recommendations for students who are most interested in ecology, evolution, behavior, and/or conservation. The emphasis name, however, does not show up officially on your transcript.

REQUIRED BIOS COURSEWORK

Non-negotiable coursework: http://catalog.niu.edu/preview_program.php?catoid=43&poiid=9701

Course Number	Course Name	Credits	Typical Timing
BIOS 208	Fundamentals of Cellular Biology	3	Fall and Spring
BIOS 210	Fundamentals of Cellular Biology Lab	1	Fall and Spring
BIOS 209	Fundamentals of Organismal Biology	3	Fall and Spring
BIOS 211	Fundamentals of Organismal Biology Lab	1	Fall and Spring
BIOS 308	Genetics	5	Fall and Spring
BIOS 494	Senior Assessment	1	Fall and Spring

Current recommended schedule: <https://www.niu.edu/biology/academics/undergraduate-studies/4-year-plan.shtml>

HIGHLY RECOMMENDED BIOS ELECTIVES

Course Number	Course Name	Credits	Typical Timing
BIOS 316	General Ecology	3	every fall
BIOS 317	Evolution	3	every spring
At Least One of the Following EEBC Courses:			
BIOS 406	Conservation Biology	4	Fall, even years
BIOS 407	Restoration Ecology	4	Fall, odd years
BIOS 433	Behavioral Ecology	3	Spring, many odd years
BIOS 489	Madagascar Field Biology	6	summer, extra cost
At Least One Taxon-Specific Course:			
BIOS 313	Microbiology	4	every semester
BIOS 419	Microbial Systematics and Diversity	3	fall odd years

BIOS 447	Comparative Vertebrate Anatomy	4	Every other fall
BIOS 457	Biology of Birds and Mammals	4	every spring
BIOS 458	Vertebrate Paleontology	3	Every other spring
BIOS 423	Principles of Virology	3	every other spring
BIOS 412	Mycology	4	fall
BIOS 341X	Primatology	3	fall
BIOS 468X	Geomicrobiology	3	spring, every year or every other year

OTHER SUGGESTED COURSES

Course Number	Course Name	Credits	Typical Timing
BIOS 370	Directed Research in Biology	various	2 nd semester junior year until graduation
PHIL 105	Logic & Critical Reasoning: (Can count toward the 6 credits of Creativity and Critical Analysis that NIU requires)	3	every fall
STAT 200	Elementary Statistics (Can meet NIU's GenEd requirement of 1 course in Quantitative Literacy)	4	every semester
UBUS 223	Introduction to Business Statistics (Can meet NIU's GenEd requirement of 1 course in Quantitative Literacy)	3	every semester