

Evolutionary Biology (Minor)

The minor in Evolutionary Biology provides undergraduate students with an understanding of agents of evolutionary change, how evolutionary processes are monitored across various time scales, and how these processes are quantified in extant and extinct populations. Offered by the Department of Biological Sciences, the Evolutionary Biology Minor is available to all baccalaureate degree students at North Carolina State University except for those in the B.S. in Biological Sciences with a concentration in Ecology, Evolution, and Conservation Biology. This minor is especially appropriate for (but not limited to) students majoring in the life sciences, agricultural sciences, physical sciences, natural resources, or science education. At least 9 credit hours of the minor must be completed at NC State.

Admissions

Students who plan to minor in Evolutionary Biology should contact the contact person listed below for information on how to do so. Students are strongly encouraged to declare the minor early in their studies so they receive information on relevant courses, events, and other opportunities from the Department of Biological Sciences.

Certification

All requirements for the minor must be completed no later than the semester in which the student expects to graduate from his or her major degree program. Students apply to graduate in the minor through MyPack at the same time that they apply to graduate in their major program.

Contact Person

Dennis Kauffman
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Coordinator

Dr. Brian Langerhans
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Plan Requirements

The Evolutionary Biology Minor consists of a minimum of 18 credit hours.

- A grade of C- or better is required for all minor courses with a 2.0 GPA required in the minor for graduation.
- No course used in the minor can be taken for credit only (S/U).
- Courses taken for the minor can also be used toward major requirements, GEP Electives, or Free Electives.
- At least 9 credit hours of the minor must be completed at NC State.

Code	Title	Hours	Counts towards
Required Courses			
GN 311	Principles of Genetics	4	

GN 312	Elementary Genetics Laboratory	1
BIO 330	Evolutionary Biology	3
Elective Courses		
Select 10 credits of the following: ¹		10
ANT 371	Human Variation	
BIO 230	The Science of Studying Dinosaurs	
BIO 325	Paleontological Field Methods	
BIO 440	The Human Animal: An Evolutionary Perspective	
BIO 444	The Biology of Love and Sex	
GN 423	Population, Quantitative and Evolutionary Genetics	
GN 453	Personal Genomics	
MB 451	Microbial Diversity	
PB 400	Plant Diversity and Evolution	
PB 445/545	Paleobotany	
ZO 317	Primate Ecology and Evolution	
Evolution Research or Teaching Experience (maximum 3 cr) ²		
Total Hours		18

¹ Other relevant courses, including some capstone and special topics course offerings, can be approved by the Minor Coordinator on a case-by-case basis.

² Options include BSC 493 Research Experience, BSC 494 Teaching Experience, and BSC 498 Biological Sciences Honors Project Part 2 -the focus of the research or teaching experience must be in evolutionary biology and the experience must be approved by the Minor Coordinator (usually through a signed contract specific to the course) prior to beginning the work.