

MINOR IN ECOLOGY AND EVOLUTIONARY BIOLOGY

Program Learning Outcomes for the Minor in Ecology and Evolutionary Biology

Upon completing the minor in Ecology and Evolutionary Biology, students will be able to:

1. Demonstrate knowledge of biology with particular emphasis on ecology and evolutionary biology.
2. Demonstrate effective oral and written communication skills, including the ability to interpret and communicate the results of biological research.
3. Demonstrate the critical thinking and analysis skills necessary to evaluate published and proposed research in the biological sciences.

Requirements for the Minor in Ecology and Evolutionary Biology

Students pursuing the minor in Ecology and Evolutionary Biology must complete:

- A minimum of 7 courses (20 credit hours) to satisfy minor requirements.
- A minimum of 4 courses (12 credit hours) taken at the 300-level or above.

The minor in Ecology and Evolutionary Biology is intended for the numerous Rice students with an avid interest in ecology and evolutionary biology but whose major interests are in other departments.

The courses listed below satisfy the requirements for this minor. In certain instances, courses not on this official list may be substituted upon approval of the minor's academic advisor, or where applicable, the Program Director. (Course substitutions must be formally applied and entered into Degree Works by the minor's [Official Certifier](https://registrar.rice.edu/facstaff/degreeworks/officialcertifier/) (<https://registrar.rice.edu/facstaff/degreeworks/officialcertifier/>)). Students and their academic advisors should identify and clearly document the courses to be taken.

Summary

Code	Title	Credit Hours
Total Credit Hours Required for the Minor in Ecology and Evolutionary Biology		20

Minor Requirements

Code	Title	Credit Hours
Core Requirements		
BIOS 201	INTRODUCTORY BIOLOGY I	3
BIOS 202	INTRODUCTORY BIOLOGY II	3
BIOS 213	INTRODUCTORY LAB IN ECOLOGY & EVOLUTION	2
Elective Requirements		
Select 4 courses from the following:		12
BIOS 321	ANIMAL BEHAVIOR	

BIOS 326	INSECT BIOLOGY
BIOS 329	ANIMAL DIVERSITY
BIOS 332	ECOLOGY
BIOS 334	EVOLUTION
BIOS 336	PLANT DIVERSITY
BIOS 340	ANIMAL PHYSIOLOGY
BIOS 373	CORAL REEF ECOSYSTEMS
BIOS 374	GLOBAL CHANGE BIOLOGY
BIOS 391	TRANSFER CREDIT IN ECOLOGY AND EVOLUTIONARY BIOLOGY
BIOS 423	CONSERVATION BIOLOGY
BIOS 431	EMERGING INFECTIOUS DISEASES

Total Credit Hours 20

Policies for the Minor in Ecology and Evolutionary Biology

Advising

Rice University policies are governed primarily by the General Announcements; students are encouraged to look there first for academic policies. Advising information specific to the Department of BioSciences can be found by clicking on the *Undergraduate Program* tab on the [department website](https://biosciences.rice.edu/) (<https://biosciences.rice.edu/>).

Program Restrictions and Exclusions

Students pursuing the minor in Ecology and Evolutionary Biology should be aware of the following program restrictions:

- As noted in [Majors, Minors, and Certificates](https://ga.rice.edu/undergraduate-students/academic-opportunities/majors-minors-certificates/) (<https://ga.rice.edu/undergraduate-students/academic-opportunities/majors-minors-certificates/>), i.) students may declare their intent to pursue a minor only after they have first declared a major, and ii.) students may not major and minor in the same subject.
- Students pursuing the BA Degree or the BS Degree with a major in Biosciences and a major concentration in Ecology and Evolutionary Biology may not additionally declare the minor in Ecology and Evolutionary Biology.
- Students pursuing the BA Degree or the BS Degree with a major in Biosciences and a major concentration in Integrative Biology may not additionally declare the minor in Ecology and Evolutionary Biology.
- Students pursuing the BA Degree or the BS Degree with a major in Environmental Sciences and a major concentration in Ecology and Evolutionary Biology may not additionally declare the minor in Ecology and Evolutionary Biology.

Transfer Credit

For Rice University's policy regarding transfer credit, see [Transfer Credit](https://ga.rice.edu/undergraduate-students/academic-policies-procedures/transfer-credit/) (<https://ga.rice.edu/undergraduate-students/academic-policies-procedures/transfer-credit/>). Some departments and programs have additional restrictions on transfer credit. The Office of Academic Advising maintains the university's official list of [transfer credit advisors](https://oaa.rice.edu/advising-network/transfer-credit-advisors/) (<https://oaa.rice.edu/advising-network/transfer-credit-advisors/>) on their website: <https://oaa.rice.edu>. Students are encouraged to meet with their academic program's transfer credit advisor when considering transfer credit possibilities.

Departmental Transfer Credit Guidelines

Students pursuing the minor in Ecology and Evolutionary Biology should be aware of the following departmental transfer credit guidelines:

- Request for transfer credit will be considered by the program director (and/or the program's official transfer credit advisor) on an individual case-by-case basis.

Additional Information

For additional information, please see the BioSciences website: <https://biosciences.rice.edu/>.

Opportunities for the Minor in Ecology and Evolutionary Biology

Academic Honors

The university recognizes academic excellence achieved over an undergraduate's academic history at Rice. For information on university honors, please see [Latin Honors \(https://ga.rice.edu/undergraduate-students/honors-distinctions/university/\)](https://ga.rice.edu/undergraduate-students/honors-distinctions/university/) (*summa cum laude*, *magna cum laude*, and *cum laude*) and [Distinction in Research and Creative Work \(https://ga.rice.edu/undergraduate-students/honors-distinctions/university/\)](https://ga.rice.edu/undergraduate-students/honors-distinctions/university/). Some departments have department-specific Honors awards or designations.

Research in the BioSciences

Research is highly encouraged for all biosciences majors, and there are many opportunities for independent research at Rice. Information about research for credit and research internships specific to the Department of BioSciences can be found by clicking on the *Research* tab on the [department website \(https://biosciences.rice.edu/\)](https://biosciences.rice.edu/).

Additional Information

[For additional information, please see the BioSciences website: https://biosciences.rice.edu/.](https://biosciences.rice.edu/)