

The Ohio State University  
College of Arts and Sciences

Evolution and Ecology Minor (EVOLECO-MN)

Department of Evolution, Ecology and Organismal Biology, 300 Aronoff Laboratory, 318 W. 12<sup>th</sup> Ave., Columbus, OH 43210-1293; 614-292-8088; <https://eeob.osu.edu/>

The minor in evolution and ecology focuses on the descent and interrelationships of organisms, including plants, animals, and microorganisms. These two disciplines provide an understanding of the pattern of life we see today. Evolution deals with both the historical path of evolution from pre-biotic Earth to the present, and with the processes contributing to evolutionary change, such as natural selection, genetic drift, and historical events. Ecology is the study of how organisms interact with other organisms and with their environment. It is one of the key sciences contributing to the broader field of conservation biology and the maintenance of biodiversity. The minor in evolution and ecology provides an introduction to these fields.

The minor requires completion of supporting courses in introductory biology and chemistry along with 15 credit hours of course work in the minor itself, including evolution (EEOB 3310), organismal diversity (EEOB 3320), ecology (EEOB 3410), plus 4 additional hours from a selection of courses.

**Required supporting courses ( 13credit hours)**

Biology 1113 and 1114 (8 hrs)

Chemistry 1210 (5 hrs)

**Required courses in the minor (15 credit hours)**

EEOB 3310.01 or .02 (4 hrs) Evolution

EEOB 3320 (3 hrs) Organismal Diversity

EEOB 3410 (4 hrs) Ecology

Four hours of course work from among the following:

- EEOB 2210 (2 hr) Ohio Birds
- EEOB 2220 (2 hr) Ohio Plants
- EEOB 3420 (4 hr) Behavioral Ecology
- EEOB 4210 (2 hr) Vertebrates
- EEOB 4220 ( 3hr) Mammals
- EEOB 4230 (2 hr) Invertebrates
- EEOB 4240 ( 3hr) Plants and People
- EEOB 4410 (3 hr) Conservation Biology
- EEOB 4420H ( 3hr) Tropical Field Studies
- EEOB 4430 ( 2hr) Ecological Methods I
- EEOB 5310 (3 hr) Advanced Evolution
- EEOB 5320 (3 hr) Society and Evolution
- EEOB 5410 (1.5 hr) Ocean Ecology
- EEOB 5420 ( 4hr) Ecology of Inland Waters
- EEOB 5430 ( 3hr) Fish Ecology
- EEOB 5450 (3 hr) Population Ecology
- EEOB 5460 (3 hr) Physiological Ecology
- EEOB 5470 (3 hr) Community and Ecosystem Ecology

**Evolution and Ecology minor program guidelines**

Required for graduation No

Credit hours required A minimum of 15 credit hrs. 1000 level courses shall not be counted in the minor. At least 6 credits must be at the 3000 level or above.

Transfer and EM credit hours allowed

A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

Overlap with the GE A student is permitted to overlap up to 6 credit hours between the GE and the minor.

Overlap with the major and additional minor(s)

- The minor must be in a different subject than the major.
- The minor must contain a minimum of 12 hours distinct from the major and/or additional minor(s).

Grades required

- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative point-hour ratio required for the minor.
- Course work graded Pass/Non-Pass cannot count on the minor.
- No more than 3 credit hours of coursework graded Satisfactory/Unsatisfactory may count toward the minor.

Minor approval Not required as long as students complete the courses as indicated on the minor program sheet.

Filing the minor program form The minor program form must be filed at least by the time the graduation application is submitted to a college/school counselor.

Changing the minor Any changes must be approved by the undergraduate advisor.

College of Arts and Sciences  
Curriculum and Assessment Services  
154 Denney Hall, 164 W. 17<sup>th</sup> Ave.  
<http://artsandsciences.osu.edu>

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