

# Department of Biology:

## Ecology and Evolutionary Biology Track

For advising purposes only

### INTRODUCTORY COURSES

- BIOL 141** Foundations of Modern Biology I (Cell Biology and Genetics) LECTURE (3 credit hours)
- BIOL 141L** Foundations of Modern Biology I LAB (2 credit hours)
- BIOL 142** Foundations of Modern Biology II (Molecular Biology and Developmental Genetics) LECTURE
- BIOL 142L** Foundations of Modern Biology II LAB (2 credit hours)

### COLUMN COURSES

#### Column A:

- BIOL 264** Human Genetics (4 credit hours)

#### Column B:

- BIOL 240** Organismal Form and Function (3 credit hours)

#### Column C: (choose one AND take the other as an elective)

- BIOL 247** Ecology (3 credit hours)
- OR**
- BIOL 241** Evolutionary Biology (4 credit hours)

### REQUIRED ELECTIVES

Depends on which was taken from Column C

- BIOL 247** Ecology (3 credit hours)
- OR**
- BIOL 241** Evolutionary Biology (4 credit hours)

### OTHER ELECTIVES

- BIOL 247LW** Ecology Laboratory (3 credit hours)
- BIOL 260** Insect Biology (3 credit hours)
- BIOL 329** Coastal Biology, with Laboratory (4 credit hours)
- BIOL 341LW** Experimental Evolution Lab (4 credit hours)
- BIOL 347** Disease Ecology (3 credit hours)
- BIOL 349-SAF** Ecology of Invasions (4 credit hours).  
*Summer Study Abroad-Australia.*
- BIOL 371** Ecology of the Tropics (2 credit hours)
- BIOL 380** Herpetology, with Lab (4 credit hours)
- BIOL 342:** Microbial Ecology with Lab (4 credit hours)
- BIOL 470W** Microbiome Community Ecology (4 credit hours)

### CROSS-LISTED ELECTIVES

(Take one. May receive exception to take more)

- BIOL 315** Ancient DNA and Human Evolution (3 credit hours)
- BIOL 320** Animal Behavior (3 credit hours)
- BIOL 345** Conservation Biology (3 credit hours)
- BIOL 349** Ecology of Invasions (4 credit hours)
- BIOL 361** Ecosystems Through Time (3 credit hours).
- BIOL 373** Marine Ecology (3 credit hours)
- BIOL 375** Tropical Marine Ecosystems (4 credit hours)
- QTM 325** - Evolutionary Game Theory (currently QTM-only course) (3 credit hours)

### LAB COURSES

- BIOL 260** Insect Biology (3 credit hours)
- BIOL 247LW** Ecology Laboratory (3 credit hours)
- BIOL 329** Coastal Biology, with Laboratory (4 credit hours)
- BIOL 341LW** Experimental Evolution Lab (4 credit hours)
- BIOL 342** - Microbial Ecology Lab
- BIOL 372-SAF** Ecology of the Tropics - Field Course in Peru (2 credit hours)
- BIOL 380** Herpetology, with Lab (4 credit hours)
- BIOL 499R** Undergraduate Research (4 hours each semester)  
**\*2 semesters of 499R with an EEB topic**

### ADDITIONAL MATH/STATS COURSES

(recommended)

- MATH 221** Linear Algebra
- QTM 360** Generalized Linear Models Sections

### STUDY ABROAD OPTIONS

- BIOL 349-SAF** Ecology of Invasions (4 credit hours).  
*Summer Study Abroad-Australia.*
- BIOL 372-SAF** Ecology of the Tropics - Field Course in Peru (2 credit hours)