ECOLOGICAL/ENVIRONMENTAL/ORGANISMAL EMPHASIS

At least 120 hours are required for graduation, and students must earn a 2.0 overall GPA, a 2.0 WSU GPA, and a 2.0 GPA in the major. Students must also complete all courses required for Liberal Arts and Sciences General Education.

REQUIREMENTS FOR BACHELOR OF SCIENCE: A minimum of 50 hours of approved Biology major courses

- 210 General Biology I (4) – FL & SP
- 211 General Biology II (4) – FL & SP
- 418 General Ecology (4) - FL
- 419 Genetics (4) - FL
- 420 Molecular Cell Biology (4) - SP
- 497 Biology Colloquium (1-2) OR BIOL 499 Undergraduate Research (2-4) – FL & SP

One course from the following:
- 330 General Microbiology (5) - FL
- 502 Vascular Plants (4) - SP
- 503 Field Botany (4) - SU
- 524 Vertebrate Zoology (4)
- 528 Parasitology (4)

Select 15 additional credit hours from among those approved for the ecological/environmental/organismal emphasis (see academic advisor or departmental offices for approved courses)

Refer to the Biology course rotation website to select appropriate courses: wichita.edu/biolcourses

Additional courses required for the Biology major (20 hours)

CHEM 211 General Chemistry I (5)
CHEM 212 General Chemistry II (5)
CHEM 531 Organic Chemistry I (5)
PHYS 213 General College Physics I (5)

Participation in Departmental Assessment program including, the Field Achievement Test in Biology is required for graduation.

Applied Learning: Students in the BA in biological sciences with ecological/environmental/organismal emphasis program are required to complete an applied learning or research experience to graduate from the program. The requirement can be met by completing BIOL 418 and/or BIOL 499.

Requirements for Minor: Must complete four biology courses including:
- 210 General Biology I (4) – FL & SP
- 211 General Biology II (4) – FL & SP

AND two others chosen from the following options:

Option A - two from:
- 418 General Ecology (4) - FL
- 419 Genetics (4) - FL
- 420 Molecular Cell Biology (4) - SP

OR

Option B - one from:
- 418 General Ecology (4) - FL
- 419 Genetics (4) - FL
- 420 Molecular Cell Biology (4) - SP

and one from:
- 330 General Microbiology (5) FL
- 502 Vascular Plants (4) - SP
- 503 Field Botany (4) - SU
- 523 Freshwater Invertebrates (4)
- 528 Parasitology (4) - SP

Note: Students must maintain a 2.0 GPA in all Biological Sciences coursework.