BIOLOGICAL SCIENCES

Bachelor of Arts (BA) 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. In addition, Foreign Language courses (or the equivalents) are required for every BA degree in the College of Liberal Arts and Sciences.

REQUIREMENTS FOR BACHELOR OF ARTS: A minimum of 35 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
- 523 Freshwater Invertebrates (4)
- 524 Vertebrate Zoology (4)
- 528 Parasitology (4)

Additional hours to total a minimum of 35 hours of approved Biology major courses chosen from:
- 330 General Microbiology (5) - FL
- 502 Vascular Plants (4)
- 503 Taxonomy & Geography of Flowering Plants (4) - SU
- 523 Freshwater Invertebrates (4)
- 524 Vertebrate Zoology (4)
- 527 Comparative Anatomy (5) - FL
- 528 Parasitology (4)
- 530 Applied and Environmental Microbiology (3) - SP
- 532 Entomology (4)
- 540 Developmental Biology (4)
- 560 Plant Ecology (2)
- 561 Plant Ecology Lab (2)
- 573 Statistical Applications in Biology (3)
- 575 Field Ecology (5)
- 578 Aquatic Ecology (4)
- 595 Avian Biology (3)
- 630 Behavioral Ecology (3)
- 737 Aquatic Toxicology (3)
- 610/640 Topics in Botany/Zoology (3-4)

Other courses that meet this requirement must be approved by the Biology Department.

Additional courses required for the Biology major (15 hours)

- CHEM 211 General Chemistry I (5)
- CHEM 212 General Chemistry II (5)
- CHEM 531 Organic Chemistry I (5)

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

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)
- 524 Vertebrate Zoology (4)
- 528 Parasitology (4) - SP

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

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