BIOLOGICAL SCIENTIES

BIOLOGICAL/BIOMEDICAL EMPHASIS

Bachelor of Arts (BA)  A12B

At least 124 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 30 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) OR BIOL 499 Undergraduate Research (2-4) – FL & SP

AND one course chosen 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) - SP

Additional hours to total a minimum of 30 hours of approved Biology major courses chosen from:

526 Endocrinology (4)
527 Comparative Anatomy (5) - FL
528 Parasitology (4) - SP
534/535 Human Physiology and Lab (3) (2) - SP
590 Immunobiology (3) - SP
626 Reproductive Biology (3)
730 Cancer Biology (3)

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

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)
CHEM 532 Organic Chemistry II (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
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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