BIOLOGICAL SCIENCES

BIOLOGICAL/BIOMEDICAL 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 40 hours of approved Biology major courses.

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

AND one course chosen from the following:
330 General Microbiology (5)
502 Vascular Plants (4)
503 Field Botany (4)
524 Vertebrate Zoology (4)
528 Parasitology (4)

Additional hours to total a minimum of 40 hours of approved Biology major courses chosen from:

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

Other courses that meet this requirement must be approved by the Biology Department. Students cannot take more than 50 hours of Biology coursework.

Additional courses required for the Biology major (30 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)
PHYS 213 General College Physics I (5)
PHYS 214 General College Physics II (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 biological/biomedical emphasis program are required to complete an applied learning or research experience to graduate from the program. The requirement can be met by BIOL 418 and/or BIOL 499.

Requirements for Minor: Must complete four biology courses including:

210 General Biology I (4)
211 General Biology II (4)

AND two others chosen from the following options:

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

OR

Option B - one from: and one from:
418 General Ecology (4) 330 General Microbiology (5)
419 Genetics (4) 502 Vascular Plants (4)
420 Molecular Cell Biology (4) 503 Field Botany (4)
524 Vertebrate Zoology (4)
528 Parasitology (4)

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

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