



Catalog year: 2022

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J. WILLIAM FULBRIGHT COLLEGE OF ARTS AND SCIENCES

MAJOR REQUIREMENTS for a BACHELOR OF SCIENCE in BIOLOGY

MINIMUM DEGREE CREDIT HOURS REQUIRED TO GRADUATE = 120 (CORE + MAJOR + GENERAL ELECTIVES)

Department of Biology
601 SCEN
479-575-3251
biology.uark.edu

CHEMISTRY (5 courses • 19 hours)

- CHEM 1103/1101L University Chemistry I
- CHEM 1123/1121L University Chemistry II
- CHEM 3603/3601L Organic Chemistry I
- CHEM 3613/3611L Organic Chemistry II
- CHEM 3813 Elements of Biochemistry

MATHEMATICS (1 course • 4 hours)

- MATH 2554 Calculus I

Note: MATH 2564 Calculus II is recommended.

PHYSICS (2 courses • 8 hours)

Choose one of the following two-semester sequences:

- PHYS 2013/2011L College Physics I***
- PHYS 2033/2031L College Physics II

OR

- PHYS 2054 University Physics I
- PHYS 2074 University Physics II

*** (MATH 1203 + 1213) OR (MATH 1284C, MATH 2043, or MATH 2554) is the pre-requisite for PHYS 2013/2011L

STATISTICS (1 course • 3-4 hours)

- STAT 2303 Principles of Statistics
- STAT 2823 Biostatistics (Spring Only)
- STAT 3003/3001L Statistical Methods

PHILOSOPHY (1 course • 3 hours)

- PHIL 2103 Intro to Ethics
- PHIL 2203 Logic
- PHIL 3113 Environmental Ethics
- PHIL 4213 Philosophy of Science

BIOLOGY WRITING REQUIREMENT

- Satisfied by either a term paper (with a grade of B or better) in a BIOL course numbered 3000 or higher, by completion of BIOL 498V Senior Thesis supervised by a biology faculty member, or by completing an honors thesis.

BIOLOGY FOUNDATION (1 course • 4 hours)

- BIOL 1584 Biology for Majors

BIOLOGY CORE (4 courses + 1 lab • 13 hours)

- BIOL 2533 Cell Biology **
- BIOL 2323 General Genetics **
- BIOL 3863 General Ecology
- A lab from one of the three BIOL courses above
- BIOL 3023 Evolutionary Biology

** See catalog of studies for pre-requisite information.

BIOLOGY ELECTIVES (23 hours minimum) *

BIOL courses numbered 4000 or higher (**12 hours minimum**)

- BIOL _____ BIOL _____
- BIOL _____ BIOL _____

BIOL courses numbered 3000 or higher * (**6 hours minimum**)

- BIOL _____ BIOL _____
- BIOL _____ BIOL _____

* 4 hours can be completed by one of the following:
BIOL 1603/1601L Principles of Zoology
BIOL 1613/1611L Plant Biology

The above hours need to include two labs at the 2000 level or higher.

- BIOL 2000+ lab _____ BIOL 2000+ lab _____

Note: The following courses cannot be used in the BIOLOGY ELECTIVES section: BIOL 2013/2011L General Microbiology, BIOL 2213/2211L Human Physiology, and BIOL 2443/2441L Human Anatomy. However, BIOL related electives that are not taught by the Department of Biological Sciences must be approved using the "Exception Request for major or minor requirements" form.