Major Requirements for Biology:

- Requirements in the cognate sciences and mathematics include the following: Course prerequisites in parentheses
  
  - CHEM 1103/1101L, University Chemistry I (MATH 1203) AND
  - CHEM 1123/1121L, University Chemistry II (MATH 1203, CHEM 1103) OR
  - CHEM 3603/3601L, Organic Chemistry I (CHEM 1123/1121L) AND
  - CHEM 3613/3611L, Organic Chemistry II (CHEM 1123/1121L, CHEM 3603/3601L) OR
  - CHEM 3813, Introduction to Biochemistry (CHEM 3613/3611L or CHEM 3713/3712L or CHEM 2613/2611L) OR
  - PHYS 2013/2011L, College Physics I (MATH 1203, 1213) AND
  - PHYS 2033/2031L, College Physics II (MATH 1203) OR
  - PHYS 2554/2550L, University Physics I (Pre or Co-req: MATH 2554) AND
  - PHYS 2704/2701L, University Physics II (PHYS 2504, Pre or Co-req: MATH 2554)
  - MATH 2554, Calculus I (MATH 1203 & 1213) or MATH 1285

  a. or placement into a higher level MATH class based on a Math placement test or ACT/SAT scores.

  b. Substituting University Chemistry I and II for chemistry majors (CHEM 1213/1121L and CHEM 1223/1121L) is acceptable.

  c. Substituting Organic Chemistry I and II for chemistry majors (CHEM 3703/3702L and CHEM 3713/3712L) is acceptable.

  NOTE: (Calculus II MATH 2564 is highly recommended)

- STAT 2023, Biostatistics (Pre or Co-req: MATH 2554) OR STAT 4003/4001L, Statistical Methods (MATH 2554) OR equivalent

For more information on Biology degree programs, contact the Department of Biological Sciences:
SCEN 601 (479)-575-3251 http://biology.uark.edu  Premedical program info: http://premed.uark.edu

*** This form is NOT a substitute for the Catalog of Studies. Students should verify this information with their advisor, their degree audit, and the Catalog of Studies. ***

Requirements for Departmental Honors in Biology:

The biological sciences honors program is designed to provide students an opportunity to investigate questions in biology through an expanded reading program and research experience. Biological science majors may apply to enter the program between the second semester of the sophomore year and the end of the junior year. Application is made through both Honors Studies (MAIN 517) and the Department of Biological Sciences (SCEN 601). Applicants must have a 3.5 grade-point average. Students should consult with their adviser to identify and contact a potential faculty research mentor. The student’s research activities will then be directed by the departmental faculty member who agrees to sponsor the student.

Students may enroll for up to four hours of credit in BIOL 399VH during the junior year and up to eight hours of credit in BIOL 499V during the senior year. A maximum of six of these credits may be applied toward a major. Participants must complete and defend an honors thesis and take 12 hours in Honors Studies, which may include six hours of thesis. The honors thesis is based on original research project and presented orally before a committee composed of two faculty from the biological sciences, a person from outside the biological sciences, and a representative from the Honors Council. This committee makes a recommendation concerning the award of the honors distinction to the Honors Council. Students who successfully complete the departmental honors program usually graduate as “Departmental Scholar Cum Laude.” Higher degree distinctions are recommended only in exceptional cases and are based upon the candidate’s entire involvement in the honors program.

Completion of an honors thesis fulfills the writing requirement in biological sciences, which precludes credit for BIOL 498V (Senior Thesis) for the same body of work.

Forty hours in Biology including:

- Biology Core – 14 hrs
  - BIOI 2533 Cell Biology (Biol 1543/1541L, Pre or Co-req: CHEM 1123/1121L or CHEM 1223/1211L)
  - BIOI 2323 General Genetics (Biol 1543/1541L, CHEM 1123/1121L, MATH 1203 or STAT 2023 or equiv)
  - BIOI 3023 Evolutionary Biology (Biol 1543/1541L, Pre or Co-req: BIOI 2323)
  - BIOI 3863 General Ecology (7 hours of Biological Sciences)
  - BIOI 3001 Bibliographic Practicum

  And a minimum of one hour of Core Laboratory selected from:
  - BIOI 2531L Cell Biology Lab OR  - BIOI 2321L General Genetics Lab OR
  - BIOI 3861L General Ecology Laboratory

- At least 26 hours of electives in Biology and/or Biology related electives that must include: For a list of courses for parts a - c, click here

  Note: BIOI 2013/2011L, PREI 2213/2211L, and 2443/2441L count as elective credits only.

  a. No more than 8 hours of courses at the 1000 level. This includes Principles of Biology (Biol 1543/1541L). Students should consult with advisor to determine placement if you have AP or transfer credit in Biology.

  b. At least two laboratory courses numbered 2000 or higher. This includes core labs taken in addition to the basic core requirement.

  c. At least 18 hours in Biology or Biology related courses (see Note below) numbered 3000 or higher, to include at least 12 hours from courses numbered 4000 or higher.

  d. Senior Writing Requirement

Note: Biology-related electives that are not taught by the department of Biological Sciences must be approved by the department using the "Exception Request for Major or Minor Requirements" prior to taking the course.

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40-Hour Rule
Students must complete at least 40 hours of work in courses number 3000 and above. Included in this 40 hours can be courses numbered 2000 if each has a specific course designated as a prerequisite, with the exception of MILS 2001 and 2011, AERO 2001 and 2011, and foreign language courses numbered 2003 and 2013.

24-Hour Rule
A student graduating from Fulbright College must complete at least 24 hour of work in courses numbered 3000 and above from departments within the Fulbright College of Arts and Sciences.