### Biology Major Requirements (Bachelor of Arts) – Catalog Year 2013

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<tr>
<td>12-16</td>
<td><strong>Required Chemistry</strong>  &lt;br&gt; University Chemistry:  &lt;br&gt; - CHEM 1103/1101L Chemistry I/Lab  &lt;br&gt; - CHEM 1123/1121L Chemistry II/Lab  &lt;br&gt; Organic Chemistry  &lt;br&gt; - CHEM 3603/3601L Organic Chem I/Lab AND  &lt;br&gt; - CHEM 3613/3611L Organic Chem II/Lab OR  &lt;br&gt; - CHEM 2613/2611L Organic Phys. Chem./Lab</td>
<td>8</td>
<td><strong>Required Physics</strong>  &lt;br&gt; PHYS 2013/2011L College Physics I/Lab  &lt;br&gt; PHYS 2033/2031L College Physics II/Lab</td>
<td>4</td>
<td><strong>Required Freshman Biology</strong>  &lt;br&gt; - BIOL 1543/1541L Principals of Biology/Lab</td>
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<td>6-8</td>
<td><strong>Required Mathematics/Statistics</strong>  &lt;br&gt; Choose One:  &lt;br&gt; - MATH 2043C Survey of Calculus  &lt;br&gt; - MATH 2554C Calculus I  &lt;br&gt; Choose One:  &lt;br&gt; - MATH 2183 Mathematical Reasoning  &lt;br&gt; - STAT 2023 Biostatistics  &lt;br&gt; - STAT 2303 Intro to Statistics  &lt;br&gt; - STAT 4093/4001L Statistical Methods/Lab</td>
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**Electives (to meet the 120 hour minimum Graduation Requirement)**

1. No graduation credit is awarded for a world language 1003 course to students continuing with the language taken in high school (See 2013-2014 Catalog of Studies).

**For more information, 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 their graduation requirements with their advisor, their degree evaluation, 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 an 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.

**Writing Requirement:** The college writing requirement for majors in biology may be met by one of the following:

- Completion of an honors thesis
- Completion of a senior thesis (BIOL 498V) supervised by a faculty member in biological sciences
- Completion of a required term paper with a grade of B or above in a BIOL course numbered 3000 or above on a topic approved by the instructor, or
- Completion of a paper, supervised by a Biological Sciences faculty member, in Special Problems (BIOL 480V)

Note: A student exercising option 3 or 4 may not use the same paper written for that option for credit in BIOL 498V.