

# Biology B.S.

## Biology B.S. Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan should see the Eight-Semester Degree Policy (<http://catalog.uark.edu/undergraduatecatalog/academicregulations/eightsemesterdegreecompletionpolicy>) for university requirements of the program. Core requirement hours may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute a three-hour (or more) general elective in place of a core area. Students must complete at least 120 hours, and this must be considered when scheduling upper-level hours in the senior year.

First Year	Units	
	Fall	Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013)	3	
Select one of the following:	3-4	
MATH 1213 Plane Trigonometry (ACTS Equivalency = MATH 1203)		
MATH 1284C Precalculus Mathematics (ACTS Equivalency = MATH 1305)		
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) <sup>1</sup>		
BIOL 1584 Biology for Majors	4	
CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) & CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)	4	
Select one of the following:	3	
HIST 2003 History of the American People to 1877 (ACTS Equivalency = HIST 2113)		
HIST 2013 History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123)		
PLSC 2003 American National Government (ACTS Equivalency = PLSC 2003)		
Core from Fine Arts		
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023)	3	
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) <sup>1</sup> or MATH 2564 Calculus II (ACTS Equivalency = MATH 2505)	4	
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) & CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)	4	
Select one of the following:	3	
University/state core Fine Arts		
or US History Requirement from		
HIST 2003 History of the American People to 1877 (ACTS Equivalency = HIST 2113)		

HIST 2013 History of the American People, 1877 to Present (ACTS Equivalency = HIST 2123)

PLSC 2003 American National Government (ACTS Equivalency = PLSC 2003)

General Elective		1
Year Total:	17	15

Second Year	Units	
	Fall	Spring
BIOL 2533 Cell Biology (BIOL 2531L optional) <sup>1</sup>	3-4	
CHEM 3603 Organic Chemistry I & CHEM 3601L Organic Chemistry I Laboratory <sup>1,2</sup>	4	
University/State Core Social Science Requirement or PHIL Requirement	3	
BIOL Lab Course or Approved BIOL-related Elective 2000-level or Above	4	
BIOL 2323 General Genetics & BIOL 2321L General Genetics Laboratory <sup>1</sup>		4
CHEM 3613 Organic Chemistry II & CHEM 3611L Organic Chemistry II Laboratory <sup>1,2</sup>		4
University/Core from Social Science		3
PHIL requirement or University/State Core from Social Science (as needed)		3
General Elective		3
Year Total:	15	17

Third Year	Units	
	Fall	Spring
BIOL 3023 Evolutionary Biology <sup>1,2</sup>	3	
CHEM 3813 Elements of Biochemistry <sup>1,2</sup>	3	
Select one of the following:	4	
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture) & PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) <sup>1</sup>		
PHYS 2054 University Physics I (ACTS Equivalency = PHYS 2034)		
Core from Humanities (if needed) or Core from Social Science		3
Core from Social Science (as needed) or General Elective		3
Select one of the following:		3-4
BIOL 3023 Evolutionary Biology (if still needed) <sup>1,2</sup>		
BIOL 3000-4000 Level Elective <sup>1,2</sup>		
BIOL 3863 General Ecology (BIOL 3861L optional) <sup>1,2</sup>		3-4
Select one of the following:		4
PHYS 2033 College Physics II (ACTS Equivalency = PHYS 2024 Lecture) & PHYS 2031L College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab) <sup>1</sup>		
PHYS 2074 University Physics II (ACTS Equivalency = PHYS 2044 Lecture) <sup>1</sup>		

BIOL Lab Course 2000-level or Above		4
Year Total:	16	15

Fourth Year	Units	
	Fall	Spring
BIOL 3000-4000 Level Elective <sup>1,2</sup>	3-4	
BIOL 4000 Level Elective <sup>1,2</sup>	3-4	
STAT 2023 Biostatistics <sup>1</sup>	3	
General Elective	3	
General Elective	3	
BIOL 3000-4000 Level Elective <sup>1,2</sup>		3
BIOL 4000 Level Elective <sup>1,2</sup>		3-4
BIOL 4000 Level Elective <sup>1,2</sup>		3-4
General Elective		1-3
Year Total:	15	10

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Total Units in Sequence:		120
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<sup>1</sup> Meets 40-hour advanced credit hour requirement. See 3 on Graduation Requirements Checklist or see the Catalog of Studies.

<sup>2</sup> Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 40-hour rule. See 2b on Graduation Requirements Checklist or see the Catalog of Studies.