

# Chemistry B.A.

## Chemistry B.A. 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/>) in the Academic Regulations chapter 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.

First Year	Units	
	Fall	Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013)	3	
Select one of the following:	3-4	
MATH 1203 College Algebra (ACTS Equivalency = MATH 1103) (if required)		
MATH 2043 Survey of Calculus (ACTS Equivalency = MATH 2203) <sup>1</sup>		
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) (as advised) <sup>1,3</sup>		
Select one of the following:	4	
CHEM 1203 Chemistry for Majors I & CHEM 1201L Chemistry for Majors I Laboratory		
CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) & CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)		
Elementary II World Language Course Numbered 1013	3	
University/State Core US History requirement	3	
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023)		3
Select one of the following as needed:	3-4	
MATH 2043 Survey of Calculus (ACTS Equivalency = MATH 2203) <sup>1</sup>		
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405) <sup>3</sup>		
Elective		
Select one of the following:	3	
CHEM 1223 Chemistry for Majors II & CHEM 1221L Chemistry for Majors II Laboratory		
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) & CHEM 1121L University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)		
Intermediate I World Language Course Numbered 2003	3	
University/State Core Social Science requirement	3	

Year Total: 16 15

Second Year	Units	
	Fall	Spring
Select one of the following:	4-5	
CHEM 3703 Organic Chemistry I Lecture for Chemistry Majors & CHEM 3702L Organic Chemistry I Lab for Chemistry Majors <sup>1,2</sup>		
CHEM 3603 Organic Chemistry I & CHEM 3601L Organic Chemistry I Laboratory <sup>1,2</sup>		
PHYS 2013 College Physics I (ACTS Equivalency = PHYS 2014 Lecture)	4	
& PHYS 2011L College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab) <sup>1</sup>		
University/State Core Fine Arts or Humanities requirement	3	
University/State Core Social Science requirement	3	
General Elective	3	
Select one of the following:		4-5
CHEM 3713 Organic Chemistry II Lecture for Chemistry Majors & CHEM 3712L Organic Chemistry II Lab for Chemistry Majors <sup>1,2</sup>		
CHEM 3613 Organic Chemistry II & CHEM 3611L Organic Chemistry II Laboratory <sup>1,2</sup>		
University/State Core Humanities or Fine Arts requirement (as needed)		3
PHYS 2033 College Physics II (ACTS Equivalency = PHYS 2024 Lecture)		4
& PHYS 2031L College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)		
University/State Core Social Science requirement (as needed)		3
Year Total:	17	14

Third Year	Units	
	Fall	Spring
CHEM 2263 Analytical Chemistry Lecture <sup>1</sup>	3	
CHEM 3453 Elements of Physical Chemistry & CHEM 3451L Elements of Physical Chemistry Laboratory <sup>1,2</sup>	4	
General Electives	9	
General Electives		16
Year Total:	16	16

Fourth Year	Units	
	Fall	Spring
CHEM 3813 Elements of Biochemistry <sup>1,2</sup> or CHEM 4813H Honors Biochemistry I	3	
CHEM 2261L Analytical Chemistry Laboratory <sup>1</sup>	1	
Upper Level Fulbright College Elective <sup>1,2</sup>	3	
General Elective	7	
CHEM 4853 Biochemical Techniques <sup>1,2</sup>		3

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Select one of the following:		3
CHEM 4843H Honors Biochemistry II <sup>1,2</sup>		
3000+ CHEM Elective <sup>1,2</sup>		
General Electives		6
Year Total:	14	12

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**Total Units in Sequence:** **120**

<sup>1</sup> Meets 40-hour advanced credit hour requirement. See College Academic Regulations.

<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 College Academic Regulations.

<sup>3</sup> Depends on placement; MATH 2043 Survey of Calculus is another option for this degree. Student may also choose to take MATH 1284C Precalculus in Fall Semester 1 and MATH 2554 Calculus in Spring Semester 1. Another option is to complete MATH 1203 in Fall Semester 1 and MATH 2043 Survey of Calculus in Spring Semester 1.