Chemistry B.A. with Biochemistry Option

Chemistry B.A. with Biochemistry Option 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. The following eight-semester plan refers to additional B.A. 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 10103 Composition I (ACTS Equivalency = ENGL 1013)	3	
MATH 24004 Calculus I (ACTS Equivalency = MATH 2405) (or other mathematics course as advised for major)[1,3]	3-4	
Select one of the following:	4	
CHEM 12073 Chemistry for Majors I & CHEM 12071 Chemistry for Majors I Laboratory		
CHEM 14103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) & CHEM 14101 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 10203 Composition II (ACTS Equivalency = ENGL 1023)		3
MATH 25004 Calculus II[1,3]		4
Select one of the following:		4
CHEM 12283 Chemistry for Majors II & CHEM 12281 Chemistry for Majors II Laboratory		
CHEM 14203 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) & CHEM 14201 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:	17	17

Second Year	Units	
	Fall	Spring
BIOL 10103 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) & BIOL 10101 Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	4	
Select one of the following:	4	
PHYS 20304 University Physics I (ACTS Equivalency = PHYS 2034)[1]		
PHYS 20103 College Physics I (ACTS Equivalency = PHYS 2014 Lecture) & PHYS 20101 College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)[1]		
Advanced Elective[1]	3	
University/State Core Fine Arts or Humanities requirement	3	
University/State Core Social Science requirement	3	
CHEM 22673 Analytical Chemistry Lecture & CHEM 22671 Analytical Chemistry Laboratory[1]		4
Select one of the following:		4
PHYS 20404 University Physics II (ACTS Equivalency = PHYS 2044 Lecture)[1]		
PHYS 20203 College Physics II (ACTS Equivalency = PHYS 2024 Lecture) & PHYS 20201 College Physics II Laboratory (ACTS Equivalency = PHYS 2024 Lab)[1]		
Biology Elective		3
University/State Core Humanities or Fine Arts requirement (as needed)		3
University/State Core Social Science requirement		3
Year Total:	17	17

Third Year	Units	
	Fall	Spring
CHEM 37073 Organic Chemistry I Lecture for Chemistry Majors & CHEM 37072 Organic Chemistry I Lab for Chemistry Majors[1,2]	5	
Select one of the following:	4	
CHEM 34603 Elements of Physical Chemistry & CHEM 34601 Elements of Physical Chemistry Laboratory[1,2]		
CHEM 35004 Physical Chemistry I		
Upper Level Biology Elective[1,2]	4	
General Electives	3	
CHEM 37203 Organic Chemistry II Lecture for Chemistry Majors & CHEM 37202 Organic Chemistry II Lab for Chemistry Majors[1,2]		5
Select one of the following:		6
CHEM 35204 Physical Chemistry II & CHEM 35102 Physical Chemistry Laboratory[1,2]		
CHEM Electives 3000-4000 Level[1,2]		
General Elective		3
Year Total:	16	14

Fourth Year	Units	
	Fall	Spring
CHEM 38103 Elements of Biochemistry[1,2] or CHEM 481H3 Honors Biochemistry I	3	
CHEM 41203 Advanced Inorganic Chemistry I[1,2]	3	
General Electives	6	
CHEM 48503 Biochemical Techniques[1,2]		3
Select one of the following:		3
CHEM 484H3 Honors Biochemistry II[1,2]		
CHEM Elective 3000-4000 Level[1,2]		
General Electives		4
Year Total:	12	10

Total Units in Sequence:	**120**

1 Meets 40-hour advanced credit hour requirement. See College Academic Regulations on page 131 of this chapter

2 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 on page 131 of this chapter.

3 Depending on placement; MATH 22003 Survey of Calculus is another option. Student may also choose to take MATH 13004 Precalculus in Fall Semester Year 1 and MATH 24004 Calculus in Spring Semester Year 1. Another option is to complete MATH 11003 in Fall Semester 1 and MATH 22003 Survey of Calculus in Spring Semester Year 1.