Chemistry B.S. with Biophysical Option

Chemistry B.S. with Biophysical 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. 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	Fall	Spring
ENGL 10103 Composition I (ACTS Equivalency = ENGL 1013)	3	
CHEM 14103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) & CHEM 14101 University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)	4	
MATH 24004 Calculus I (ACTS Equivalency = MATH 2405)[1]	4	
University/State Core Fine Arts or Humanities Course	3	
ENGL 10203 Composition II (ACTS Equivalency = ENGL 1023)		3
MATH 25004 Calculus II[1]		4
CHEM 14203 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) & CHEM 14201 University Chemistry II Laboratory (ACTS Equivalency = CHEM 1424 Lab)		4
University/State Core Humanities or Fine Arts course (as needed)		3
University/State Core U.S. History Course		3
Year Total:	14	17

Second Year	Fall	Spring
CHEM 36053 Organic Chemistry I & CHEM 36051 Organic Chemistry I Laboratory[1,2]	4	
PHYS 20304 University Physics I (ACTS Equivalency = PHYS 2034)[1]	4	
BIOL 10103 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) & BIOL 10101 Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	4	
University/State Core Social Science Course	3	
CHEM 36203 Organic Chemistry II & CHEM 36201 Organic Chemistry II Laboratory[1,2]		4
PHYS 20404 University Physics II (ACTS Equivalency = PHYS 2044 Lecture)[1]		4
BIOL 25473 Cell Biology & BIOL 25471 Cell Biology Laboratory		4
CHEM 22673 Analytical Chemistry Lecture[1]		3
Year Total:	15	15

Third Year	Fall	Spring
CHEM 22671 Analytical Chemistry Laboratory[1]	1	
CHEM 35004 Physical Chemistry I[1,2]	4	
Advanced Level Elective[1]	6	
University/State Core Social Science Course	3	
CHEM 35204 Physical Chemistry II & CHEM 35102 Physical Chemistry Laboratory[1,2]		6
CHEM 42203 Instrumental Analysis & CHEM 42101 Instrumental Analysis Laboratory[1,2]		4
University/State Core Social Science Course		3
General Elective		3
Year Total:	14	16

Fourth Year	Fall	Spring
CHEM 58103 Biochemistry I[1,2] or CHEM 481H3 Honors Biochemistry I	3	
BIOL 3000/4000 Level Elective[1,2]	3	
General Electives	9	
CHEM 58403 Biochemistry II[1,2] or CHEM 484H3 Honors Biochemistry II		3
CHEM 48503 Biochemical Techniques[1,2]		3
General Electives		8
Year Total:	15	14

Total Units in Sequence:	**120**

1 Meets 40-hour advanced credit hour requirement. See College Academic Regulations.

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.