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	Units	
	Fall	Spring
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013)	3	
CHEM 1103 University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) & CHEM 1101L University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab)	4	
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405)[1]	4	
University/State Core Fine Arts or Humanities Course	3	
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023)		3
MATH 2564 Calculus II (ACTS Equivalency = MATH 2505)[1]		4
CHEM 1123 University Chemistry II (ACTS Equivalency = CHEM 1424 Lecture) & CHEM 1121L 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	Units	
	Fall	Spring
CHEM 3603 Organic Chemistry I & CHEM 3601L Organic Chemistry I Laboratory[1,2]	4	
PHYS 2054 University Physics I (ACTS Equivalency = PHYS 2034)[1]	4	
BIOL 1543 Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) & BIOL 1541L Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	4	
University/State Core Social Science Course	3	
CHEM 3613 Organic Chemistry II & CHEM 3611L Organic Chemistry II Laboratory[1,2]		4
PHYS 2074 University Physics II (ACTS Equivalency = PHYS 2044 Lecture)[1]		4
BIOL 2533 Cell Biology & BIOL 2531L Cell Biology Laboratory		4
CHEM 2263 Analytical Chemistry Lecture[1]		3
Year Total:	15	15

Third Year	Units	
	Fall	Spring
CHEM 2261L Analytical Chemistry Laboratory[1]	1	
CHEM 3504 Physical Chemistry I[1,2]	4	
Advanced Level Elective[1]	6	
University/State Core Social Science Course	3	
CHEM 3514 Physical Chemistry II & CHEM 3512L Physical Chemistry Laboratory[1,2]		6
CHEM 4213 Instrumental Analysis & CHEM 4211L Instrumental Analysis Laboratory[1,2]		4
University/State Core Social Science Course		3
General Elective		3
Year Total:	14	16

Fourth Year	Units	
	Fall	Spring
CHEM 5813 Biochemistry I[1,2] or CHEM 4813H Honors Biochemistry I	3	
BIOL 3000/4000 Level Elective[1,2]	3	
General Electives	9	
CHEM 5843 Biochemistry II[1,2] or CHEM 4843H Honors Biochemistry II		3
CHEM 4853 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.