

BS Chemistry
Arkansas State University - Jonesboro
Degree: Bachelor of Science
Major: Chemistry – Pre-Health Profession Studies
2023-2024

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters. A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. Failure to participate in required assessments may delay graduation.

Year 1				Year 1			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CHEM 1013	General Chemistry I	3	X	CHEM 1023	General Chemistry II	3	
CHEM 1011	Laboratory for General Chemistry I	1	X	CHEM 1021	Laboratory for General Chemistry II	1	
PHSC 1003	Making Connections in Chemistry and Physics (FYE)	3	I	CHEM 2002	Computers in Chemistry	2	
ENG 1003	Composition I	3	X	MATH 2214	Calculus II	4	
MATH 2204	Calculus I	4	X	ENG 1013	Composition II	3	X
elective	elective	1		elective	elective	2	
Total Hours		15		Total Hours		15	
Year 2				Year 2			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CHEM 3103	Organic Chemistry I	3		CHEM 3113	Organic Chemistry II	3	
CHEM 3101	Laboratory for Organic Chemistry I	1		CHEM 3111	Laboratory for Organic Chemistry II	1	
CHEM 2004	Descriptive Inorganic Chemistry	4		PHYS 2044	University Physics II	4	
PHYS 2034	University Physics I	4		CHEM 3054	Quantitative Analysis	4	
MATH 3254	Calculus III	4		Gen Educ	General education required course	3	X
Total Hours		16		Total Hours		15	
Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CHEM 3124	Physical Chemistry I	4		CHEM 3134	Physical Chemistry II	4	
BIOL 2013	Biology of the Cell	3	X	CHEM 4204	Inorganic Chemistry	4	
BIOL 2011	Laboratory for Biology of the Cell	1	X	CHEM 4243	Biochemistry	3	
BIOL 1303	Biology of Animals	3	X	CHEM 4273	Research in Chemistry	3	

BIOL 1301	Laboratory for Biology of Animals	1	X	elective	elective	1	
Gen Educ	General education required course	3	X				
Total Hours		15		Total Hours		15	
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
CHEM 4224	Instrumentation	4		CHEM 4281	Chemistry Seminar	1	I
Gen Educ	General education required course	3	X	Gen Educ	General education required course	3	X
Gen Educ	General education required course	3	X	elective	elective	2	
Gen Educ	General education required course	3	X	elective	Biology elective	8	
elective	elective	2					
Total Hours		15		Total Hours		14	
Total Jr/Sr Hours				Total Degree Hours		120	

Graduation Requirements:

Completion of HIST 2763 or HIST 2773 or POSC 2103
 English Proficiency (Grade of C or better in ENG 1003 and ENG 1013)
 2.00 GPA in Major
 2.00 GPA at ASU
 2.00 GPA Overall
 Maximum of 31 credit hours via correspondence/extension/examination//PLA/Military/CLEP (30 hrs) or similar means
 45 JR/SR Hours after completing 30 hours
 120 Total Credit Hours
 18 of last 24 hours must be ASU-Jonesboro courses
 Minimum of 57 hours from 4-year institutions
 32 Resident Hours if completing second degree

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