

NAME _____ ID# _____

CHEMISTRY Bachelor of Science Biochemistry Option

Catalog Year: 2020-21

General Education Requirements: 35 hours			Grade	Substitution / notes	
English Composition: 6 hours (both of the following)					
ENGL	1013	Composition I	_____	_____	
ENGL	1023	Composition II	_____	_____	
Communication: 3 hours (one of the following)					
COMM	1023	Public Speaking	_____	_____	
COMM	2283	Business and Professional Speech	_____	_____	
COMM	2203	Interpersonal Communication	_____	_____	
NRM	2063	Nat. Resources Communication	_____	_____	
Fine Arts: 3 hours (one of the following)					
ART	1053	Art Appreciation	_____	_____	
FA	1013	Fine Arts Appreciation	_____	_____	
FA	1023	Film Appreciation	_____	_____	
MUS	1113	Music Appreciation	_____	_____	
Humanities: 3 hours Any literature, philosophy, or foreign language course					
Mathematics: 3 hours Any MATH 1000 level or higher course					
MATH _____					
Social Sciences: 9 hours (one of the following)					
HIST	2213	American History I	_____	_____	
HIST	2223	American History II	_____	_____	
PSCI	2213	American National Government	_____	_____	
AND (two of the following from different disciplines)					
ANTH	2203	Cultural Anthropology	_____	_____	
ANTH	2213	North American Indians	_____	_____	
ANTH	2223	World Prehistory	_____	_____	
ANTH	2233	Arkansas Regional Archeology	_____	_____	
ANTH	2243	Sex, Gender, and Culture	_____	_____	
ANTH	2253	Intro to Archeology	_____	_____	
CJ	1013	Introduction to Criminal Justice	_____	_____	
CJ	2293	Law and Society (same as PSCI 2291)	_____	_____	
ECON	2203	Principles of Macroeconomics	_____	_____	
ECON	2213	Principles of Microeconomics	_____	_____	
GEOG	2213	General Geography I	_____	_____	
GEOG	2223	General Geography II	_____	_____	
HIST	1013	World History to 1500	_____	_____	
HIST	1023	World History since 1500	_____	_____	
PSCI	2223	State Government of Arkansas	_____	_____	
PSCI	2233	Comparative Politics	_____	_____	
PSCI	2293	Law and Society (same as PSCI 2291)	_____	_____	
PSCI	2353	World Politics	_____	_____	
PSY	1013	***Introduction to Psychology	_____	_____	
SOC	2213	***Introduction to Sociology	_____	_____	
SWK	2123	Introduction to Social Work	_____	_____	
SOC	2213	Social Problems	_____	_____	
Science with Labs: 8 hours (two 3-hour lecture courses with 1 hour associated labs or 4-hour courses with integrated labs)					
Lecture	CLS #	Lab	CLS #	Grade	Grade
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Major Requirements: 35-36 hours			Grade	Substitution / Notes
CHEM	1103	General Chemistry I	_____	_____
CHEM	1121	General Chemistry I Laboratory	_____	_____
CHEM	1113	General Chemistry II	_____	_____
CHEM	1131	General Chemistry II Laboratory	_____	_____
CHEM	3314	Quantitative Analysis	_____	_____
CHEM	3404	Organic Chemistry I	_____	_____
CHEM	3414	Organic Chemistry II	_____	_____
CHEM	3424	Elements of Physical Chemistry	_____	_____
CHEM	4633	Biochemistry I	_____	_____
CHEM	4643	Biochemistry II	_____	_____
CHEM	4731	Biochemistry Laboratory	_____	_____
CHEM or *BIOL 3000-4000 level elective (3 hours)				

One of the following courses:				
CHEM 4742 Advanced Laboratory Techniques			_____	_____
CHEM 4611 Chemistry Seminar			_____	_____
CHEM 4691 Senior Research			_____	_____
*BIOL 4741 Biology Seminar			_____	_____
Supportive Requirements: 38 hours				
BIOL	2053	Principles of Biology I	_____	_____
BIOL	1071	Biological Sciences/Principles of Biology I Lab	_____	_____
BIOL	2083	Principles of Biology II	_____	_____
BIOL	2091	Principles of Biology II Laboratory	_____	_____
BIOL	3553	Microbiology	_____	_____
BIOL	3561	Microbiology Laboratory	_____	_____
BIOL	3363	Cell Biology	_____	_____
BIOL	3354	Genetics	_____	_____
**MATH 1043 College Algebra or			_____	_____
**MATH 1143 College Algebra with Review			_____	_____
**MATH 1033 Trigonometry				
MATH	2255	Calculus I	_____	_____
PHYS	2203	College Physics I and	_____	_____
PHYS	2231	College and University Physics I Laboratory	_____	_____
PHYS	2213	College Physics II	_____	_____
PHYS	2241	College and University Physics II Laboratory	_____	_____
Students may take PHYS 2313 University Physics I and PHYS 2323 University Physics II in place of PHYS 2203 College Physics I and PHYS 2213 College Physics II				
*Biology Seminar, or a Biology elective may not count in both majors if double majoring in Biology Microbiology and Lab (supportive requirements for this degree) can be used as an elective in the Biology major				
**College Algebra and Trigonometry are waived if the student has completed Calculus I with a passing grade				
***Recommended Social Sciences for Pre-professional students				
This degree requires a minimum of 120 hours of college level credit			Total Hours	_____
This degree requires a minimum of 40 hours of 3000-4000 level credit.			Upper level hours	_____
A minor or second major is required for this degree.			Chosen minor	_____
Completion of Botany and Zoology with labs completes a minor in Biology				