NAME _____ ID# _____

BIOLOGY-BIOCHEMISTY- Double Major Bachelor of Science
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 for both majors: 73-74 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)	*Must be course not already used to complete requirements*	
One of the following courses:		
CHEM 4742 Advanced Laboratory Techniques		
CHEM 4611 Chemistry Seminar		
CHEM 4691 Senior Research		
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 2143 General Botany		
BIOL 2171 General Botany Laboratory		
BIOL 2153 General Zoology		
BIOL 2161 General Zoology Laboratory		
BIOL 3354 Genetics		
BIOL 3363 Cell Biology		
One of the following: *		
BIOL 3484 General Ecology		
BIOL 3574 Comparative Anatomy		
BIOL 3763 Evolution		
BIOL 4634 Vertebrate Physiology		
BIOL 3553 Microbiology		*counts as elective in Biol degree*
BIOL 3561 Microbiology Lab		*counts as elective in Biol degree*
Supportive Requirements: 13 hours		
MATH 2255 Calculus I		
PHYS 2203 College Physics I		
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

*Students entering pre-professional programs should take BIOL 3574, All others BIOL 3484
Depending on Math background and Math ACT, some students may need to take MATH prior to Calculus I

For degree counting purposes, the double major can be run as a Biochemistry degree with a Nat. Sci Minor, and
a second degree in Biology
A total of 120 hours minimum are required for this degree   Total Hours