ne:	ID Number:		Anticipated Graduation Semester:		
		CHEMBS-BIOP Deg			
	Advising Notes				
		University or College	Requirements		
Overall	Academic Progress (120 total Hrs re	auired):			
		•	_ Hours Remaining = 120 hours minimum. Additional hours		
	<del>-</del>	• —	e sure to check In Progress hours in Workday for ineligible		
	courses.)		source to encountry results and the encountry results and		
	,				
C	umulative GPA- UofA courses only, 2	2.0 minimum			
N	<b>lajor Residency Rule-</b> 18 hrs CHEM o	courses in residence. (	Hrs remaining after in-progress)		
U	pper-Level Enrollment Requiremen	<b>t-</b> 30-hrs 30000+ at Uc	ofA. (Hrs remaining after in-progress)		
F	ulbright College 40-hour rule- 40-hr	rs 30000+ or 20000+ w	/ prereq (Hrs remaining after in-progress)		
		State Minimum Core	Requirements		
Linivorsi	ity Core in English Composition I (0	2 hrs\			
	ity Core in English Composition I (0- NGL 10103/101H3 Composition I or				
L	NGL 10103/101113 Composition For	exemption	<del></del>		
Universi	ity Core in English Composition II (0-	-3 hrs)			
	NGL 10203/102H3 Composition II or				
	1102 10203/ 102113 Composition if or	exemption	<del></del>		
Universi	ity Core in Mathematics (3 hrs possi	ble overlap with Calcu	lus I)		
		•	Reasoning (or higher MATH)		
	5 5		, <u></u>		
<u>Universi</u>	i <mark>ty Core in Science</mark> (8 hrs possible ov	erlap with multiple red	quirements in the major. Requirements will be marked wit		
**)					
So	cience w/ lab				
So	cience w/ lab				
	ity Core in US History or Governmer	<u>nt</u> (3 hrs)			
U	S HIST/PLSC				
	ity Core in Fine Arts (3 hrs)				
FI	ine Art				
Universi	ity Coro in Humanities (2 hrs)				
	ity Core in Humanities (3 hrs) Humanities				
	iuiiidiiiucs				
Universi	ity Core in Social Sciences (9 hrs)				
	ocial Science				
	ocial Science				
	ocial Science				
	Requirements continued on Page 2	with Marian Banninana			

Last Updated: Aug. 1, 2025

<u>Major Rec</u>	quirements
Calculus I (3 hrs)	CHEM 37203/37203 Organic Chemistry for Majors II
MATH 24004 Calculus I	CHEM 36203/36203 Organic Chemistry II
Calculus II (3 hrs)	Instrumental Analysis (4 hrs)
MATH 25004 Calculus II	CHEM 42203/42101 Instrumental Analysis
University Physics I (4 hrs)**	Biochemistry for CHEMBS (6 hrs)
PHYS 20304 University Physics I	Choose 1 sequence:
	CHEM 38103 Elements of Biochemistry AND
University Physics II (4 hrs) **	CHEM 47203 Experimental Methods in Organic
PHYS 20404 University Physics II	Chemistry
Principles of Biology (4 hrs) **	<u>Or:</u>
BIOL 10103/10101 Principles of Biology	CHEM 481H3 Honors Biochemistry I AND
	CHEM 484H3 Honors Biochemistry II
Cell Biology and Lab (4 hrs)	<u>Or:</u>
BIOL 25473 and BIOL 25471 Cell Biology	CHEM 58103 Biochemistry I AND
	CHEM 58403 Biochemistry II
BIOL 30000+ Elective for CHEM (3 hrs)	
BIOL 30000+	
	Biochemical Techniques or Independent Research (3 hrs)
Chemistry for Majors I (4 hrs) **	Choose 1:
Choose 1:	CHEM 48503 Biochemical Techniques
CHEM 12073/12071 Chemistry for Majors I	
CHEM 14103/14101 University Chemistry I	Or (3 semester s of independent research):
Chemistry for Majors II (4 hrs) **	CHEM 4000V/400HV
Choose 1:	CHEM 4000V/400HV
CHEM 12283/12281 Chemistry for Majors II	CHEM 4000V/400HV
CHEM 14203/14201 University Chemistry II	Conord Floatings (10, 42 hrs. Hours your bosed on hour
Chew 14203/14201 Oniversity Chemistry II	General Electives (16-42 hrs. Hours vary based on how much overlap students choose between major and core
Analytical Chemistry (4 hrs)	requirements. If required UNIV 10051 University
CHEM 22673/22671 Analytical Chemistry	Perspectives counts here.)
Physical Chemistry I (4 hrs)	
CHEM 35004 Physical Chemistry I	
Physical Chemistry II (6 hrs)	
CHEM 35204 and CHEM 35102 Physical Chemistry II	
Organic Chemistry I (4-5 hrs)	
Choose 1:	
CHEM 37073/37072 Organic Chemistry for Majors I	
CHEM 36053/36051 Organic Chemistry I	
Organic Chemistry II (3 hrs)	
Choose 1:	
	i i

#### **Graduation Plan**

Use the following additional resources in addition to this major map to complete your graduation plan (<u>Catalog</u> and your <u>Degree Audit</u> in UAconnect). Many students have more than one major minor or pre-professional goal that has additional required classes. This tool allows you to combine all your educational goals in to one plan.

High School credit	List all Advanced Placement International Baccalaureate Dual or Concurrent credit			
Year	Fall	Spring	Summer	Total
Year 1				Total 1 <sup>st</sup> year credit hours (aim for 30):
Year 2				Total 2 <sup>nd</sup> year credit hours (aim for 60):
Year 3				Total 3 <sup>rd</sup> year credit hours (aim for 90):
Year 4				Total 4 <sup>th</sup> year credit hours (Must be at least 120):

Please visit <a href="https://catalog.uark.edu/undergraduatecatalog">https://catalog.uark.edu/undergraduatecatalog</a> for an extensive list of core major graduation and prerequisite requirements. To read more about individual classes visit the <a href="courses of instruction">course of instruction</a> page for course descriptions.

#### **Degree Requirement Breakdown by Category**

The following information is designed to help you navigate your experience in your degree and answer common questions that may come up for each requirement. All requirements for graduation are documented un the <a href="Catalog of Studies">Catalog of Studies</a>.

University or College Requirements			
Academic Requirement Name	Catalog Requirement	Additional Notes	
Overall Academic Progress	Overall Academic Progress: 120 graduation eligible hours required	<ul> <li>Overall Academic Progress: Students must earn a minimum of 120 credit hours. The total number of hours required to complete specific major and minor combinations may vary beyond 120 hours.</li> <li>Graduation Eligible Hours: The following classes are not eligible for degree credit- ENGL 00001 ENGL 00101 MATH 00101 MATH 00202 MATH 01101 any duplicate credit where a course is not listed as repeatable in the catalog. These classes may show up in Workday Student as in-progress hours, but they will not post as units satisfying Overall Academic Progress when grades post.</li> </ul>	
Cumulative GPA	• GPA: must be 2.0 or higher	<ul> <li>GPA: Students must maintain a 2.0 Grade Point Average (GPA) to remain in good standing and be eligible for graduation.</li> </ul>	
Fulbright College 40- Hour Rule	<ul> <li>Fulbright College 40-hour rule: minimum 40 hours upper-level. Includes all 30000+ courses and 20000+ if the course has prerequisite.</li> </ul>	• Fulbright College 40-hour rule: Students must take at least 40 credit hours of upper-level courses. This includes courses numbered 30000 level or above or 20000 level courses if the course has a prerequisite. It is not limited to courses taken in residence.	
Upper-Level Enrollment Requirement	Upper-Level Enrollment Requirement: minimum 30 hours 30000+ taken in residence	Upper-Level Enrollment Requirement (30-hr rule):     Students are required to take at least 30 credit hours of upper-level (30000+) courses in residence.     This includes UA faculty-led study abroad classes online/on-campus classes and courses offered through the Global Campus; and all other courses paid toward Fayetteville campus tuition and fees.	
CHEMBS Residency Rule	CHEMBS Residency Rule: minimum 18 hours CHEM courses taken in residence	Residency Rule: Students must take at least 50% of their program (i.e. major or minor) requirements in residence. For programs that require classes from other departments this rule is defined only by required classes from the program's home department.	
State Minimum Core Requirements			
University Core in English Composition I	<ul> <li>ENGL 10103/101H3 Composition I or SAT/ACT exemption</li> </ul>	See <u>Catalog</u> for information about placement and/or exemption.	
University Core in English Composition II	ENGL 10203/102H3 Composition II or SAT/ACT exemption	See <u>Catalog</u> for information about placement and/or exemption.	
0-3 hrs			

University Core in Mathematics  3 hrs	Choose 1:  • MATH 11003 College Algebra  • MATH 11103 Quantitative Reasoning	Based on ACT/SAT or other math placement scores students may need to enroll in additional remediation related courses. See <a href="mailto:catalog">catalog</a> or <a href="mathplacement">mathplacement</a> website for additional information.
University Core in Science 8 hrs	<ul> <li>MATH 11103 Quantitative Reasoning</li> <li>Choose 2: (each class will have a required lecture and lab component):</li> <li>ANTH 10143/ANTH 10141 Intro to Biological Anthropology (or ANTH 101H3/101H1)</li> <li>ASTR 20003/20001 Survey of the Universe (or ASTR 200H3/200H1)</li> <li>BIOL 10004 Biological Principles</li> <li>BIOL 10103/10101 Principles of Biology (or BIOL 154H3/154H1)</li> <li>BIOL 10104 Biology for Majors</li> <li>BIOL 10303/10301 Plant Biology</li> <li>BIOL 10503/10501 Principles of Zoology</li> <li>BIOL 24003/24001 Human Anatomy</li> <li>BIOL 24103/24101 Human Physiology</li> <li>CHEM 10003/10001 Chemistry in the Modern World</li> <li>CHEM 12103/12101 Fundamentals of Chemistry</li> <li>CHEM 12283/12281 Chemistry for Majors II</li> <li>CHEM 14203/14201 University Chemistry II (or CHEM 14203/14201 University Chemistry III (or CHEM 142H3/142H1)</li> <li>ENSC 10003/10001 Environmental Science (or ENSC 100H3/100H1)</li> <li>ENTO 10203/10201 Insects Science and Society</li> <li>GEOL 11103/11101 Physical Geology (or</li> </ul>	
	<ul> <li>GEOL 11103/11101 Physical Geology (of GEOL 111H3/111H1)</li> <li>GEOL 11203/11201 Earth Science</li> <li>GEOS 11504 Introduction to Geology for Science Majors</li> <li>PHYS 10243/10241 Physics and Human Affairs (or PHYS 102H3/102H1)</li> <li>PHYS 10304 Physics for Elementary Education Majors</li> <li>PHYS 10404 Physics for Architects I</li> <li>PHYS 10504 Physics for Architects II</li> <li>PHYS 20103/20101 College Physics I</li> <li>PHYS 20203/20201 College Physics II</li> </ul>	

	PHYS 20304 University Physics I (or PHYS	
	203H4)	
	PHYS 20404 University Physics II (or PHYS	
	204H4)	
<b>University Core in US</b>	Choose 1: *	*Some courses may appear as options in multiple
History or	HIST 20003 History of the American People	areas of the State Minimum Core. You can only count
Government	to 1877	each course one time in State Minimum Core
3 hrs	HIST 20103 History of the American People     1877 to Present	categories.
3 1113	PLSC 20003 American National Government	
	(or PLSC 200H3)	
<b>University Core in</b>	Choose 1: *	*Some courses may appear as options in multiple
Fine Arts	ARCH 10003 Architecture Lecture (or ARCH	areas of the State Minimum Core. You can only count
	100H3)	each course one time in State Minimum Core
3 hrs	ARHS 10003 Art Lecture (or ARHS 100H3)	categories.
	COMM 10003 Film Lecture (or COMM	
	100H3)	
	DANC 10003 Movement and Dance	
	ENGL 20103 Creative Writing 1	
	HUMN 211H4 Honors Birth of Modern	
	Culture 1600-1900 (honors only)	
	LARC 10003 The American Landscape (or	
	LARC 100H3)	
	MUSC 10003 Experiencing Music (or MUSC	
	100H3)	
	MLIT 10103 Music and Society (music majors	
	only. Or MLIT 101H3)	
	MLIT 13303 Popular Music	
	THTR 10003 Theatre Appreciation (or THTR	
	100H3)	
	THTR 10103 Musical Theatre Appreciation (or	
	THTR 101H3)	
	THTR 16803 Acting I THTR 18803 Acting 1 for Theatre majors	
University Core in	THTR 18803 Acting 1 for Theatre majors  Choose 1: *	*Some courses may appear as options in multiple
Humanities	AAST 20203 The African American	areas of the State Minimum Core. You can only count
	Experience	each course one time in State Minimum Core
3 hrs	ANTH 10303 Introduction to Archeology	categories.
	ARCH 10103 Diversity and Design (or ARCH)	333-633
	101H3)	
	CLST 10003 Introduction to Classical Studies:	
	Greece (or CLST 100H3)	
	CLST 10103 Introduction to Classical Studies:	
	Rome (or CLST 101H3)	
	COMM 12303 Media Community and	
	Citizenship (or COMM 123H3)	
	Sidectioning (or Colvillal 120110)	

	DANC 10003 Dance Appreciation	
	DASC 21303 Data Privacy & Ethics	
	ENGL 11103 World Literature: Beginnings to	
	1650 CE (or ENGL 111H3)	
	ENGL 11203 World Literature: 1650 CE to	
	Present (or ENGL 112H3)	
	ENGL 12103 Introduction to Literature (or	
	ENGL 121H3)	
	ENGL 20103 Creative Writing I	
	GNST 20003 Introduction to Gender Studies	
	(or GNST 200H3)	
	HUMN 112H4 Honors Equilibrium of	
	Cultures 500-1600 (Honors only)	
	HUMN 22103 Introduction to World	
	Religions	
	LALS 20103 Introduction to Latin American	
	and Latino Studies	
	MRST 20103 Introduction to Medieval and	
	Renaissance Studies	
	MUSY 20003 Music in World Cultures (or	
	MUSY 200H3)	
	PHIL 20003 Introduction to Philosophy (or	
	PHIL 200H3)	
	PHIL 21003 Introduction to Ethics	
	PHIL 22003 Logic	
	PHIL 23003 Human Nature and the Meaning	
	of Life	
	PHIL 31003 Ethics and the Professions	
	THTR 10003 Theatre Appreciation (or THTR)	
	100H3)	
	THTR 10103 Musical Theatre Appreciation	
	(or THTR 101H3)	
	Any Intermediate level world language	
	numbered at the 20000 level	
University Core in	Choose 3: *	Students must take classes from at least two
Social Sciences	AGEC 11003 Principles of Agriculture     Migraphy Principles (or ACEC 11013)	departments.
9 hrs	Microeconomics (or AGEC 110H3)	*6
	AGEC 21003 Principles of Agriculture  Macroscopomics (or AGEC 210H2)	*Some courses may appear as options in multiple
	Macroeconomics (or AGEC 210H3)	areas of the State Minimum Core. You can only count
	<ul> <li>ANTH 10203 Intro to Cultural Anthropology (or ANTH 102H3)</li> </ul>	each course one time in State Minimum Core
	COMM 10203 Communication in a Diverse	categories.
	World (or ANTH 102H3)	
	WOUND (OF AINTH 102113)	

- ECON 21003 Principles of Macroeconomics (or ECON 210H3)
- ECON 22003 Principles of Microeconomics (or ECON 220H3)
- ECON 21403 Basic Economics: Theory and Practice (or ECON 214H3)
- GEOG 11103 Human Geography (or GEOG 111H3)
- GEOG 21003 World Regional Geography (or GEOG 210H3)
- HDFS 14003 Life Span Development (HDFS 140H3)
- HDFS 24103 Family Relations (or HDFS 241H3)
- HDFS 26003 Rural Families & Communities (HDFS 260H3)
- HIST 11193 Institutions and Ideas of World Civilizations I (or HIST 111H3)
- HIST 11293 Institutions and Ideas of World Civilizations II (or HIST 112H3)
- HIST 20003 History of the American People to 1877
- HIST 20103 History of the American People 1877 to Present
- HIST 20903 Animals in World History
- HUMN 111H4 Honors Roots of Culture to 500
   C.E. (Honors only)
- HUMN 211H4 Honors Birth of Modern Culture 1600-1900 (honors only)
- INST 20103 Introduction to International and Global Studies
- INST 211H4 Honors Pathways to Global and Social Change
- JOUR 10203 Media and Society
- PLSC 20003 American National Government (or PLSC 200H3)
- PLSC 20103 Intro to Comparative Politics
- PLSC 21003 State and Local Government
- PLSC 28103 Intro to International Relations (or PLSC 281H3)
- PSYC 20003 General Psychology (or PSYC 200H3)
- RESM 28503 Leisure and Society (or RESM 285H3)

	SOCI 10103 General Sociology (or SOCI 201H3)	
	SOCI 20103 Social Problems	
	STEM 20003 The Art of STEM	
	Communication Major Populisment	
Calaulus I	Major Requirements	
<u>Calculus I</u>	MATH 24004 Calculus I	Students need to earn a C or higher in MATH classes
4 hrs		to use them as pre-requisites for other classes.
Calculus II	MATH 25004 Calculus II	Students need to earn a C or higher in MATH classes
		to use them as pre-requisites for other classes.
4 hrs		' '
<b>University Physics I</b>	PHYS 20304 University Physics I	
4 hrs		
University Physics II	PHYS 20404 University Physics II	
Offiver sity 1 Hysics II	FITTS 20404 Offiversity Fitysics II	
4 hrs		
<b>Principles of Biology</b>	BIOL 10103/10101 Principles of Biology	*BIOL 10104 Biology for majors can automatically
_		count in lieu of this.
4 hrs		
Cell Biology and Lab	BIOL 25473 and BIOL 25471 Cell Biology	
4 hrs		
BIOL 30000+ Elective	Take one additional BIOL course numbered 30000	
for CHEM	level or higher (hours for actual class may vary)	
	, , ,,	
3 hrs		
Chamista, for Maises	Choose 1:	Students cannot receive degree credit for both CHEM
Chemistry for Majors	CHEM 12073/12071 Chemistry for Majors I	12073 and 14103.
<u> </u>	CHEM 14103/14101 University Chemistry I	
3 hrs		While University Chemistry is accepted, Chemistry for
		Majors is Preferred
Chemistry for Majors	Choose 1:	Students cannot receive degree credit for both CHEM
<u>II</u>	CHEM 12283/12281 Chemistry for Majors II	12283 and CHEM 14203.
4 hrs	CHEM 14203/14201 University Chemistry II	
		While University Chemistry is accepted, Chemistry for
		Majors is Preferred
Analytical Chemistry	CHEM 22673/22671 Analytical Chemistry	
4 hrs		
Physical Chemistry I	CHEM 35004 Physical Chemistry I	
	,	
4 hrs		
Physical Chemistry II	CHEM 35204 and CHEM 35102 Physical Chemistry	
6 hrs	III	
Organic Chemistry I	Choose 1:	CHEM 360H3/360H2 also counts here
organic Chemistry I	<u>C11003C 1.</u>	Chilin 300113/300112 diso counts liele
		1

4-5 hrs	CHEM 37073/37072 Organic Chemistry for Majors	
	1	
	CHEM 36053/36051 Organic Chemistry I	
Organic Chemistry II	Choose 1:	CHEM 362H3/362H2 also counts here
	CHEM 37203/37203 Organic Chemistry for Majors	
4-5 hrs	II	
	CHEM 36203/36203 Organic Chemistry II	
<b>Instrumental Analysis</b>	CHEM 42203/42101 Instrumental Analysis	
4 hrs		
<b>Biochemistry for</b>	Choose 1 sequence:	Students cannot receive credit for both Elements of
<u>CHEMBS</u>	CHEM 38103 Elements of Biochemistry AND	Biochemistry and Honors Biochemistry I & II
6 hrs	CHEM 47203 Experimental Methods in Organic	
01113	Chemistry	
	Or:	
	CHEM 481H3 Honors Biochemistry I AND	
	CHEM 484H3 Honors Biochemistry II	
	Or: CHEM 58103 Biochemistry I AND	
	CHEM 58403 Biochemistry II	
Biochemical	Choose 1:	
Techniques or	CHEM 48503 Biochemical Techniques	
Independent	Critivi 46505 Biochemical Techniques	
Research	Completion of a senior thesis based on	
_	independent research wherein at least 1 hour of	
3 hrs	CHEM 4000V (or CHEM 400HV) is earned during	
	three different semesters.	
General Electives	Hours will vary depending on concentration	Some general electives may need to be upper-level to
	choice, possible overlap in major, and whether a	meet college and university residency requirements.
16-42 hrs	student is exempt from ENGL 10103, ENGL 10203,	
	and UNIV 10051.*	* UNIV 10051 (or an equivalent course) is required for all
		incoming freshmen. Some students may have taken one of the following courses instead: AFLS 102H3 ARSC 12001,
		BUSI/WCOB 11101, BUSI/WCOB 111H1, GNEG 11101, GNEG
		111H1, HIST 1003(H), HIST 10001, HIST 100H1, PLSC 10003,
		PLSC 100H3, STEM 12001. Students who transfer to the
		University of Arkansas with at least 24 credit hours are not
Honors	Minimum Requirements for Honors:	required to take UNIV 10051.  Honors Capstone Project Timeline: Honors students should
11011013	Maintain cumulative grade point average of	consistently work with their academic advisor and thesis
	3.5.	advisor to ensure they stay on track with their honors
	Complete Honors <u>Capstone Project</u>	requirements, but can consult the <u>Fulbright Honors</u> SharePoint for important dates.
	Complete all required Honors Courses	* Students following honors requirements from a catalog
	Con Catalog for full 1	earlier than 2025-26 should consult with their academic advisor to confirm requirements.
	See <u>Catalog</u> for full description of requirements.*	to commitm requirements.