	Date: Anticipated Graduation Semester:
CHEMBA	A-CHES Degree Snapshot
University Perspectives (0-1 hr)	General Chemistry (8 hrs)
UNIV 10051, University Perspectives or exemption	CHEM 12073/12071, Chemistry for Majors I OR CHEM
	14103/14101, University Chemistry I
State Core English Composition (0-6 hrs)	CHEM 12283/12281, Chemistry for Majors II OR CHEM
ENGL 10103, Composition 1 or exemption	14203/14201, University Chemistry II
ENGL 10203, Composition 2 or exemption	
	Analytical Chemistry (4 hrs)
State Core US History or Government (3 hrs)	CHEM 22673/22671, Analytical Chemistry
US HIST/PLSC	
State Cove Mathematics (O hus)	Physical Chemistry (10 hrs)
State Core Mathematics (0 hrs) Requirement met with courses in major.	CHEM 35004, Physical Chemistry I AND
Requirement met with courses in major.	CHEM 35204/35102, Physical Chemistry II
State Core Natural Sciences w/ labs (0 hrs)	Overnie Chemister (10 hys)
Requirement met with courses in major.	Organic Chemistry (10 hrs) CHEM 37073/37072, Organic Chemistry for Majors I
	CHEM 37203/37201, Organic Chemistry for Majors II
State Core Social Sciences (9 hrs)	Cricin 3/203/3/201, Organic Chemistry for Majors in
Social Science	Inorganic Chemistry (3 hrs)
Social Science	CHEM 41203, Advanced Inorganic Chemistry
Social Science	
Chata Cara Fina Arta (2 har)	Instrumental Analysis (4 hrs)
State Core Fine Arts (3 hrs) Fine Art	CHEM 42203/42101, Instrumental Analysis
Time Art	
State Core Humanities (3 hrs)	Experimental Methods (3 hrs)
Humanities	CHEM 47203, Experimental Methods in Organic
	Chemistry
Mathematics (12-19 hrs)	
MATH 11003, College Algebra (or math placement	Chemistry Electives (3 hrs)
directly in to next math)	CHEM 30000+
MATH 13004, Precalculus or MATH 12003, Plane Trigonometry (or <u>math placement</u> directly in to nex	xt General Electives (20-34 hrs)
math)	defieral Electives (20-54 IIIS)
MATH 24004, Calculus I (Required)	
MATH 25004, Calculus II (Required)	
MATH 26004, Calculus III (Required)	
Physics (8 hrs)	
PHYS 20304, University Physics I	
PHYS 20404, University Physics II	
Last Updated: June 24, 2024	

Advising Notes		

Graduation Plan

Use the following additional resources, in addition to this major map, to complete your graduation plan (Catalog, and your Degree Audit in UAconnect). Many students have

Fall	Spring		
i	3pi ilig	Summer	Total
			Total 1st year credit hours (aim for 30):
			Total 2 nd year credit hours (aim for 60):
			Total 3 rd year credit hours (aim for 90):
			Total 4 th year credit hours (Must be at

<u>Gr</u>	aduation Checklist (does your plan include the following):
	2.0 minimum overall UofA GPA (Courses taken at other colleges or universities are not factored into this GPA)
	All state minimum core requirements
	All Major(s)/Minor(s) requirements
	Writing requirement complete
	At least 50% of each major/minor taken from UofA
	24 hours of 30000+ classes exclusively from Fulbright College of Arts and Sciences classes
	30 hours of 30000+ classes exclusively from the University of Arkansas. This can include courses taken for the 24-
	hour rule.
	40 hours of upper-level classes. (30000+ or 20000+ with a pre-requisite. Can include transfer credit.) This can include
	courses taken for the 24-hour and 30-hour rules.
	120 total eligible credit hours (see below for a list of ineligible classes)

Program Information:

<u>Note about course sequencing</u>: The Chemistry majors are pre-requisite heavy programs that are highly sequenced. Some essential classes are offered only once per year. It's highly recommended that students work with advisors to create a multi-semester graduation plan early in their degree.

Please visit https://catalog.uark.edu/undergraduatecatalog for an extensive list of core, major, graduation, and prerequisite requirements. To read more about individual classes, visit the course of instruction 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.

Category	Degree Requirements	Curriculum Notes
UNIVERSITY		Or equivalent from another University of Arkansas college. (AFLS
PERSPECTIVES	UNIV 10051, University Perspectives (or UNIV 100H1)	102H3, ARSC 12001, GNEG 11101, GNEG 111H1, HIST 1003(H), HIST
	, , , , , , , , , , , , , , , , , , , ,	10001, HIST 100H1, PLSC 10003, PLSC 100H3, BUSI/WCOB 11101,
0-1 hr		WCOB/BUSI 111H1)
		Note : students who transfer to the University of Arkansas with at
		least 24 credit hours will have this requirement waived.
STATE CORE		See Catalog for information about placement and/or exemption.
COMPOSITION	ENGL 10103, Composition 1 or SAT/ACT exemption (or	see eatting for information about placement analytic exemption.
	ENGL 101H3)	
0-6 hrs	ENGL 10203, Composition 2 or SAT/ACT exemption (or	
	ENGL 102H3)	
STATE CORE US	Choose 1: *	*Some courses may appear as options in multiple areas of the State
HISTORY or	HIST 20003, History of the American People to 1877	Core. You can only count each course 1 time in the State Core and will
GOVERNMENT	HIST 20003, History of the American People to 1877 to	need unique courses in each of the content areas below.
	Present	need unique courses in each of the content areas below.
3 hrs	PLSC 20003, American National Government (or PLSC	
	200H3)	
STATE CORE	Met with requirements in major.	Based on ACT/SAT or other math placement scores, students may
MATHEMATICS		need to enroll in additional remediation related courses. See catalog
		or math placement website for additional information.
0 hrs		
STATE CORE	Met with requirements in major	
NATURAL	met man requirements in major	
SCIENCES CORE		
9 hrs		
STATE CORE	Choose 2: (each class will have a required lecture and lab	Some classes will have pre-requisites
SOCIAL SCIENCES	component):	
0.1	ANTH 10143/ANTH 10141, Intro to Biological	
9 hrs	Anthropology (or ANTH 101H3/101H1)	
	ASTR 20003/20001, Survey of the Universe (or ASTR	
	200H3/200H1)	
	BIOL 10004, Biological Principles	
	BIOL 10103/10101, Principles of Biology (or BIOL	
	154H3/154H1)	
	BIOL 10104, Biology for Majors	
	BIOL 10303/10301, Plant Biology	
	BIOL 10503/10501, Principles of Zoology	
	 BIOL 24003/24001, Human Anatomy 	
	BIOL 24103/24101, Human Physiology	
	CHEM 10003/10001, Chemistry in the Modern World	
	CHEM 12103/12101, Fundamentals of Chemistry	
	CHEM 12073/12071, Chemistry for Majors I	
	CHEM 12283/12281, Chemistry for Majors II	
	CHEM 14103/14101; University Chemistry I	
	CHEM 14203/14201, University Chemistry II (or CHEM	
	142H3/142H1)	

	ENSC 10003/10001, Environmental Science (or ENSC	
	100H3/100H1)	
	ENTO 10203/10201, Insects, Science, and Society	
	GEOL 11103/11101, Physical Geology (or GEOL	
	111H3/111H1)	
	• GEOL 11203/11201, Earth Science	
	GEOS 11504, Introduction to Geology for Science	
	Majors	
	PHYS 10243/10241, Physics and Human Affairs (or	
	PHYS 102H3/102H1)	
	PHYS 10304, Physics for Elementary Education Majors	
	PHYS 10404, Physics for Architects I	
	PHYS 10504, Physics for Architects II	
	PHYS 20103/20101, College Physics I	
	PHYS 20203/20201, College Physics II	
	PHYS 20304, University Physics I (or PHYS 203H4)	
	PHYS 20404, University Physics II (or PHYS 204H4)	
STATE CORE FINE ARTS	Choose 1: *	*Some courses may appear as options in multiple areas of the
ARTS	ARCH 10003, Architecture Lecture (or ARCH 100H3) ARUS 10003, Architecture (or ARUS 100H3)	State Core. You can only count each course 1 time in the State
3 hrs	ARHS 10003, Art Lecture (or ARHS 100H3) GOMMA 10003, 5'lly by the street (or ARHS 100H3)	Core and will need unique courses in each of the content areas
	COMM 10003, Film Lecture (or COMM 100H3) PANG 10003, Management and Pangar	below.
	DANC 10003, Movement and Dance DANC 2003, Counting Militing 1	
	ENGL 20103, Creative Writing 1	
	HUMN 211H4, Honors Birth of Modern Culture 1600-	
	1900 (honors only)	
	LARC 10003, The American Landscape (or LARC 100U3)	
	100H3)	
	MLIT 10003, Experiencing Music (or MLIT 100H3) MUT 10003, Navie and Society (overline sites and society).	
	MLIT 10103, Music and Society (music majors only. Or MLIT 10112)	
	MLIT 101H3)	
	MLIT 13303, Popular Music TUTB 10003, Theatre Appreciation (or TUTB 10003)	
	THTR 10003, Theatre Appreciation (or THTR 100H3) THTR 10103, Musical Theatre Appreciation (or THTR)	
	THTR 10103, Musical Theatre Appreciation (or THTR 101H3)	
	• THTR 16803, Acting I	
	THTR 18803, Acting 1 for Theatre majors	
STATE CORE	Choose 1: *	*Some courses may appear as options in multiple areas of the
HUMANITIES	AAST 20203, The African American Experience	State Core. You can only count each course 1 time in the State
3 hrs	ANTH 10303, Introduction to Archeology	Core and will need unique courses in each of the content areas
31113	ARCH 10103, Diversity and Design (or ARCH 101H3)	below.
	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)	
	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)	
	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	
	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, Introduction to Ethics PHIL 22003, Logic	
	PHIL 23003, Human Nature and the Meaning of Life PHIL 23003, Fibigs and the Professions	
	PHIL 31003, Ethics and the Professions THER 40003, Theodor Americaidian (and THER 40013)	
	THTR 10003, Theatre Appreciation (or THTR 100H3) THTR 10103, Marie LTL THTR 10103, M	
	THTR 10103, Musical Theatre Appreciation (or THTR	
	101H3)	
	Any Intermediate level foreign language numbered at the 20000 level	
MATHEMATICS	MATH 11003, College Algebra (or math placement)	Students need to earn a C or higher in MATH classes to use
100 (1112100)	directly in to next math)	_
12-19 hrs	MATH 13004, Precalculus or MATH 12003, Plane	them as pre-requisites for other classes.
	Trigonometry Algebra (or math placement directly in	
	to next math)	Students should start on their math sequence as early as
	MATH 24004, Calculus I (pre-req: MATH 13004,	possible, since many of these classes will be pre-requisites for
	12003, or <u>math placement</u>)* • MATH 25004, Calculus II (pre-req: MATH 24004)	future CHEM classes.
	MATH 25004, Calculus II (pre-req: MATH 24004) MATH 26004, Calculus III (pre-req: MATH 25004)	
	WATT 20004, calculus iii (TTC TCq. WATTT 25004)	Based on ACT/SAT or other math placement scores, students
		may need to enroll in additional remediation related courses.
		See catalog or math placement website for additional
		information.
		illorillation.
		*MATH 24005, Calculus I with review, can also count here.
PHYSICS	PHYS 20304, University Physics I (pre-req: MATH 24004)	These Physics II will be a pre-requisite to some future CHEM courses.
O hea	PHYS 20404, University Physics II (pre-req: MATH 25004)	
8 hrs		
GENERAL	Choose 1 sequence:	Students cannot receive degree credit for both CHEM 12073 and
CHEMISTRY		14103 or CHEM 12283 and CHEM 14203.

8 hrs	CHEM 12073/12071, Chemistry for Majors I (Fall only.	
	pre-req: MATH 11003 or higher or see course description	
	for math placement)	If a student changes to this major after having taken CHEM 1113,
	CHEM 12283/12281, Chemistry for Majors II (Spring)	Chemistry for Engineers I and CHEM 1133/1131L, Chemistry for
	only. Co- or pre-req: MATH 13004 or higher. Pre-req:	Engineers II, they can count those courses in this category, with
	CHEM 12073/12071 or CHEM 14103/14101)	substitution, if they also take CHEM 14101 or CHEM 14201. (CHEM
		1113, 1133, and 1131L are no longer taught, but the above policy applies to students who may have taken them previously)
	• Or	applies to students who may have taken them previously)
	CHEM 14103/14101, University Chemistry I (pre-req:	
	MATH 1103 or see course description for math	
	placement)	
	· · · · · · · · · · · · · · · · · · ·	
	CHEM 14203/14201, University Chemistry II (pre-req: CHEM 14103 and MATH 11003 or see course description	
	for math placement)	
ANALYTICAL	CHEM 22673/22671, Analytical Chemistry (pre-req:	While not a required co-requisite in the course descriptions,
CHEMISTRY	CHEM 14203 or 12283 and MATH 11003 or see course	chemistry majors should take the lecture and the lab in the same
	description for math placement)	semester.
4 hrs		
		This class will be a pre-requisite to future physical chemistry classes.
PHYSICAL	CHEM 35004, Physical Chemistry I (Fall only. Co- or pre-	Students cannot receive credit for both Elements of Physical
<u>CHEMISTRY</u>	req: MATH 2564c. Pre-req: CHEM 22673 and PHYS	Chemistry and Physical Chemistry I & 2.
10 bro	20404)	
10 hrs	CHEM 35204/35102, Physical Chemistry II (Spring only.)	
	Pre-req: CHEM 35004)	
ORGANIC		Honors students may also automatically count CHEM 360H3/360H2
<u>CHEMISTRY</u>	CHEM 37073/37072, Organic Chemistry for Majors I	and CHEM 362H3/362H2.
40 has	(Fall only. Pre-req: CHEM 14203 or 12283)	The estales also lists CUEM 27072 and 27202 as assistal and to CUEM
10 hrs	CHEM 37203/37202, Organic Chemistry for Majors II	The catalog also lists CHEM 37073 and 37203 as equivalent to CHEM 36053 and 36203. So, while the department prefers students to take
	(Spring only. Pre-req: CHEM 37073)	CHEM 37073 and 37203, students who took CHEM 36053/36051 and
		36203/36201 may count those courses for this requirement.
	•	However, students will need to make up the missing 2 hours of labs
		by doing 1 of the following things:
		Join a research lab and take at least 2 hrs of CHEM 4000V (if
		students do this here, they may not also count these hours below).
		Take an additional CHEM 30000+ class that is not already required
		Retake the labs, but this time the major's versions (CHEM 37072
		and 37202)
INORGANIC	CHEM 41203, Advanced Inorganic Chemistry (Fall only.	Take two semesters of CHEM 401H1 (honors students only)
INORGANIC CHEMISTRY	CHEM 41203, Advanced Inorganic Chemistry (Fall only. Pre-reg: CHEM 34603 or 35203)	
<u>onemorn</u>	176 764. GILW 34003 01 332037	
3 hrs		
INSTRUMENTAL	Choose 1 option:	
ANALYSIS	CHEM 42203/42101, Instrumental Analysis (Pre-req:	
	CHEM 22673 and lab and CHEM 36203 and lab or	
4 hrs	37203 and lab)	
EXPERIMENTAL	CHEM 4723, Experimental Methods in Organic	
METHODS	Chemistry (Fall only. Pre-reg: CHEM 36203 or 37203)	
3 hrs	G. G	
	Take one additional Advanced (2000) November	This are grown as a table a state of the sta
ADDITIONAL	Take one additional Advanced (30000+) CHEM lecture	This program meets the minimum requirements for certification by
CHEMISTRY	course.	the American Chemical Society if CHEM 38103 (or CHEM 481H3/CHEM 484H3 or CHEM 58103/58403)
3 hrs		is included in this category.
55		
	<u> </u>	1

GENERAL ELECTIVES	Hours will vary depending on math placement, language placement, choice within chemistry major, and whether a student is exempt from ENGL 10103 and 10203.	CHEM 3999T or 4999T transfer courses can count in this category as long as students still meet the 50% rule. Not all 999T classes pull into the degree audit automatically, so students may need to request classes be moved into the minor by their academic advisor. Some general electives may need to be upper level to meet college and university residency requirements. See Graduation Checklist on page 3 for more information.
20-34 hrs		
WRITING REQUIREMENT	The college writing requirement may be satisfied in one of two ways: Completion of CHEM 34601 or CHEM 35102 Successful honors thesis defense	
<u>HONORS</u>	Minimum Requirements for Honors: Maintain cumulative grade point average of 3.5 in all coursework. Complete a minimum of 12 hours of honors courses from the UofA (which includes CHEM 401H1 taken once in Junior year and once in Senior year) Complete and defend Honors Thesis	Honors Thesis Timeline: Honors students should consistently check the honors thesis timeline to stay on track to complete your honors thesis. College Honors: Students who also are following the College Honors Plan need to complete additional requirements. Those can be found on the advising website (consult with an academic advisor if you have questions about your catalog year): Academic Planning Resources
	See <u>Catalog</u> for full description of requirements.	