Name:	ID Number: D	Date: Anticipated Graduation Semester:
		OP Degree Snapshot
·	ity Perspectives (0-1 hr)	
U	INIV 10051, University Perspectives or exemption	
		General Chemistry (8 hrs)
	ore English Composition (0-6 hrs)	CHEM 12073/12071, Chemistry for Majors I OR CHEM
·	NGL 10103, Composition 1 or exemption	14103/14101, University Chemistry I
EI	NGL 10203, Composition 2 or exemption	CHEM 12283/12281, Chemistry for Majors II OR CHEM
- · ·		14203/14201, University Chemistry II
	ore US History or Government (3 hrs)	
U	IS HIST/PLSC	Analytical Chemistry (4 hrs)
Ctata Ca	and the supplier (O bus)	CHEM 22673/22671, Analytical Chemistry
•	ore Mathematics (0 hrs)	
Kequirei	ment met with courses in major.	Physical Chemistry (10 hrs)
State Co	Noticeal Sciences w/ John (O hys)	CHEM 35004, Physical Chemistry I AND
·	ore Natural Sciences w/ labs (0 hrs)	CHEM 35204/35102, Physical Chemistry II
Kequirei	ment met with courses in major.	
State Co	ava Social Sciences (O hrs)	Organic Chemistry (8-10 hrs)
	ore Social Sciences (9 hrs)	CHEM 37073/37072, Organic Chemistry for Majors I
	ocial Science	OR CHEM 36053/36051, Organic Chemistry I
	ocial Scienceocial Science	CHEM 37203/37203, Organic Chemistry for Majors II
	DCIAI SCIENCE	OR CHEM 36203/36203, Organic Chemistry II
State Co	ore Fine Arts (3 hrs)	
	ine Art	Biochemistry (6 hrs)
		CHEM 38103, Elements of Biochemistry
State Co	ore Humanities (3 hrs)	CHEM 47203, Experimental Methods in Organic
	lumanities	Chemistry
	<del></del>	<u>Or:</u>
<b>Biology</b>	(11 hrs)	CHEM 481H3, Honors Biochemistry I OR CHEM 58103,
B	IOL 10103/10101, Principles of Biology	Biochemistry I
B	IOL 25473/25471, Cell Biology	CHEM 484H3, Honors Biochemistry II OR CHEM 58403,
B	IOL 30000+	Biochemistry II
9.6 a.k.b. a.u.		to characteristic (A bas)
	natics (8-15 hrs)	Instrumental Analysis (4 hrs) CHEM 42203/42101, Instrumental Analysis
	MATH 11003, College Algebra (or math placement directly in to next math)	CHEIVI 42203/42101, IIISU UIIIEIILAI AIIAIYSIS
	MATH 13004, Precalculus or MATH 12003, Plane	Biomechanical Techniques or Independent Research (3 hrs)
	Trigonometry (or math placement directly in to next	CHEM 48503, Biochemical Techniques (Spring only. Co-
	math)	or pre-req: CHEM 38103 or CHEM 484H3)
	/IATH 24004, Calculus I (Required)	Or (CHEM 400HV can also count here):
N	/IATH 25004, Calculus II (Required)	
		CHEM 4000V 1 hour CHEM 4000V 1 hour
<b>Physics</b>	(8 hrs)	CHEM 4000V 1 hour
P	PHYS 20304, University Physics I	Consequent Florations (AC A2 hug)
P	PHYS 20404, University Physics II	General Electives (16-42 hrs)
<del></del>		

Advising Notes				
- V				
		0 1 1 0		
		Graduation Plan r map, to complete your graduation plan (Catalog, a has additional required classes. This tool allows you		
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				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):

Graduation 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 <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">courses 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.

Category	Degree Requirements	Curriculum Notes
UNIVERSITY	Degree requirements	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),
0-1 hr		HIST 10001, HIST 100H1, PLSC 10003, PLSC 100H3, BUSI/WCOB 11101, WCOB/BUSI 111H1)
		<b>Note</b> : students who transfer to the University of Arkansas with at least 24 credit hours will have this requirement waived.
STATE CORE COMPOSITION	ENGL 10103, Composition 1 or SAT/ACT exemption (or ENGL 101H3)	See <u>Catalog</u> for information about placement and/or exemption.
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
HISTORY or	HIST 20003, History of the American People to 1877	State Core. You can only count each course 1 time in the State Core
GOVERNMENT	HIST 20103, History of the American People 1877 to	and will need unique courses in each of the content areas below.
3 hrs	Present     PLSC 20003, American National Government (or PLSC)	
33	200H3)	
STATE CORE	Met with requirements in major.	Based on ACT/SAT or other math placement scores, students may
<b>MATHEMATICS</b>		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	
<b>NATURAL</b>		
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):	' '
	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)	
	172113/1721111	

	ENSC 10003/10001 Environmental Science for ENSC	
	ENSC 10003/10001, Environmental Science (or ENSC 100H3/100H3)	
	100H3/100H1)	
	ENTO 10203/10201, Insects, Science, and Society     CEOL 11103/11101, Physical Coolery (cr. CEOL)	
	GEOL 11103/11101, Physical Geology (or GEOL     11113/1111)	
	111H3/111H1)	
	• GEOL 11203/11201, Earth Science	
	GEOS 11504, Introduction to Geology for Science Majors	
	PHYS 10243/10241, Physics and Human Affairs (or PHYS     10243/10241)	
	102H3/102H1)	
	PHYS 10304, Physics for Elementary Education Majors	
	PHYS 10404, Physics for Architects I	
	PHYS 10504, Physics for Architects II      PHYS 20102 (2010), Physics For Architects II	
	PHYS 20103/20101, College Physics I     PHYS 20203/20201, College Physics II	
	<ul> <li>PHYS 20203/20201, College Physics II</li> <li>PHYS 20304, University Physics I (or PHYS 203H4)</li> </ul>	
	PHYS 20404, University Physics I (or PHYS 204H4)	
STATE CORE FINE	Choose 1: *	*Some courses may appear as options in multiple areas of the
ARTS	ARCH 10003, Architecture Lecture (or ARCH 100H3)	State Core. You can only count each course 1 time in the State
	ARHS 10003, Art Lecture (or ARHS 100H3)	Core and will need unique courses in each of the content
3 hrs	COMM 10003, Film Lecture (or COMM 100H3)	areas below.
	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)	
	MLIT 10003, Experiencing Music (or MLIT 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	
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
	ARCH 10103, Diversity and Design (or ARCH 101H3)	areas 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      The control of the	
	ENGL 112H3)	
	ENGL 12103, Introduction to Literature (or ENGL 121H3)	
	ENGL 20103, Creative Writing I	

	<ul> <li>GNST 20003, Introduction to Gender Studies (or GNST 200H3)</li> <li>HIST 11193, Institutions and Ideas of World Civilizations I (or HIST 111H3)</li> <li>HIST 11293, Institutions and Ideas of World Civilizations II (or HIST 112H3)</li> <li>HIST 20003, History of the American People to 1877</li> <li>HIST 20103, History of the American People 1877 to Present</li> <li>HUMN 112H4, Honors Equilibrium of Cultures 500-1600 (Honors only)</li> <li>HUMN 22103, Introduction to World Religions</li> <li>LALS 20103, Introduction to Latin American and Latino Studies</li> <li>MRST 20103, Introduction to Medieval and Renaissance Studies</li> <li>MUSY 20003, Music in World Cultures (or MUSY 200H3)</li> <li>PHIL 20003, Introduction to Philosophy (or PHIL 200H3)</li> <li>PHIL 21003, Introduction to Ethics</li> <li>PHIL 22003, Logic</li> <li>PHIL 23003, Human Nature and the Meaning of Life</li> <li>PHIL 31003, Ethics and the Professions</li> <li>THTR 10003, Musical Theatre Appreciation (or THTR</li> </ul>	
	<ul> <li>HIST 20003, History of the American People to 1877</li> <li>HIST 20103, History of the American People 1877 to Present</li> <li>HUMN 112H4, Honors Equilibrium of Cultures 500-1600 (Honors only)</li> <li>HUMN 22103, Introduction to World Religions</li> <li>LALS 20103, Introduction to Latin American and Latino Studies</li> <li>MRST 20103, Introduction to Medieval and Renaissance Studies</li> <li>MUSY 20003, Music in World Cultures (or MUSY 200H3)</li> <li>PHIL 20003, Introduction to Philosophy (or PHIL 200H3)</li> <li>PHIL 21003, Introduction to Ethics</li> <li>PHIL 22003, Logic</li> <li>PHIL 23003, Human Nature and the Meaning of Life</li> <li>PHIL 31003, Ethics and the Professions</li> <li>THTR 10003, Theatre Appreciation (or THTR 100H3)</li> </ul>	
	<ul> <li>THTR 10103, Musical Theatre Appreciation (or THTR 101H3)</li> <li>Any Intermediate level foreign language numbered at the 20000 level</li> <li>BIOL 10103/10101, Principles of Biology*</li> </ul>	*BIOL 10104, Biology for majors can automatically count in lieu of
BIOLOGY 11 hrs	<ul> <li>BIOL 25473/25471, Cell Biology (pre-req: BIOL 1543/1541L or BIOL 1584 and recommended CHEM 1123/1121L)</li> <li>BIOL 30000+ Elective</li> </ul>	this.
MATHEMATICS 8-15 hrs	<ul> <li>MATH 11003, College Algebra (or math placement directly in to next math)</li> <li>MATH 13004, Precalculus or MATH 12003, Plane Trigonometry (or math placement directly in to next math)</li> <li>Required: MATH 2004, Calculus I (pre-req: MATH 13004, 12003, or math placement)*</li> <li>Required: MATH 25004, Calculus II (pre-req: MATH 24004)</li> </ul>	Students need to earn a C or higher in MATH classes to use them as pre-requisites for other classes.  Students should start on their math sequence as early as possible, since many of these classes will be pre-requisites for future CHEM classes.  Based on ACT/SAT or other math placement scores, students may need to enroll in additional remediation related courses. See <a href="mathcase-catalog">catalog</a> or

	CHEM 12073/12071, Chemistry for Majors I (Fall only. pre-	
8 hrs	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 only.)	Chemistry for Engineers I and CHEM 1133/1131L, Chemistry for
	Co- or pre-req: MATH 13004 or higher. Pre-req: CHEM	Engineers II, they can count those courses in this category, with
	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	approach state and may have taken them premises ()
	CHEM 14103/14101, University Chemistry I (pre-req: MATH)	
	1103 or see <u>course description</u> 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: CHEM	While not a required co-requisite in the course descriptions,
CHEMISTRY	14203 or 12283 and MATH 11003 or see <u>course description</u> for math placement)	chemistry majors should take the lecture and the lab in the same 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
CHEMISTRY	req: MATH 2564c. Pre-req: CHEM 22673 and PHYS 20404)	Chemistry and Physical Chemistry I & 2.
10 hrs	CHEM 35204/35102, Physical Chemistry II (Spring only. Pre-req: CHEM 35004)	
ORGANIC	Choose 1 sequence:	Honors students may also automatically count CHEM
CHEMISTRY		360H3/360H2 and CHEM 362H3/362H2.
10 hrs	CHEM 37073/37072, Organic Chemistry for Majors I (Fall	
	only. Pre-req: CHEM 14203 or 12283)	
	CHEM 37203/37202, Organic Chemistry for Majors II     (Society only, President Classes)	
	(Spring only. Pre-req: CHEM 37073)	
	Or:	
	CHEM 36053/36051, Organic Chemistry I (Pre-req: CHEM)	
	1123 or 1223)	
	CHEM 36203/36202, Organic Chemistry II(Pre-req: CHEM 3603	
	or 3703)	
BIOCHEMISTRY	Choose 1 sequence:	Students cannot receive credit for both Elements of
6 hrs	CHEM 38103, Elements of Biochemistry (Pre-req:	Biochemistry and Honors Biochemistry I & II
	CHEM 36203 or 37203)	
	CHEM 47203, Experimental Methods in Organic	
	Chemistry (Fall only. Pre-req: CHEM 36203 or 37203)	
	Or:	
	CHEM 481H3, Honors Biochemistry I (pre-req:	
	honors candidacy and CHEM 36203 or 37203)	
	CHEM 484H3, Honors Biochemistry II (pre-req:	
	honors candidacy and CHEM 481H3)	
	Or:	
	CHEM 58103, Biochemistry I (Fall only. Pre-req:	
	instructor consent to enroll in grad class and CHEM	
	36203 or 37203)	
	CHEM 58403, Biochemistry II (Pre-req: instructor	
	consent to enroll in graduate class and CHEM 58103)	

INSTRUMENTAL	Choose 1 option:	
ANALYSIS	CHEM 42203/42101, Instrumental Analysis (Pre-req:     GUENA 22272 and GUENA 22222 and 272222)	
4 hrs	CHEM 22673 and CHEM 36203 or 37203)	
BIOCHEMICAL THECHNIQUES OR	Choose 1:	<b>Note</b> : Students in the honors program completing CHEM 400VH for this requirement are also required to register for <b>CHEM 401H1</b> in
INDEPENDENT	CUENA 40503 Disabarrical Taskningas (Caring only Ca	the spring of both Junior and Senior year.
RESEARCH	<ul> <li>CHEM 48503, Biochemical Techniques (Spring only. Co- or pre-req: CHEM 38103 or CHEM 484H3)</li> </ul>	
3 hrs	or prevequential social or entire to may	
31113	Or:	
	Completion of a senior thesis based on independent	
	research wherein at least 1 hour of CHEM 4000V (or	
	CHEM 400HV) is earned during three different	
	semesters.	
GENERAL	Hours will vary depending on math placement, language	Some general electives may need to be upper level to meet
ELECTIVES	placement, choice within chemistry major, and whether a	college and university residency requirements. See Graduation
16-42 hrs	student is exempt from ENGL 10103 and 10203.	Checklist on page 3 for more information.
WRITING	The college writing requirement may be satisfied in one of two	
REQUIREMENT	ways:	
	Completion of CHEM 34601 or CHEM 35102     Successful honors thesis defense	
HONORS	Minimum Requirements for Honors:	Honors Thesis Timeline: Honors students should consistently
	Maintain cumulative grade point average of 3.5 in all	check the honors thesis timeline to stay on track to complete your
	coursework.	honors thesis.
	<ul> <li>Complete a minimum of 12 hours of honors courses from the UofA (which includes CHEM 401H1 taken</li> </ul>	College Honors: Students who also are following the College
	once in Junior year and once in Senior year)	Honors Plan need to complete additional requirements. Those can
	Complete and defend Honors Thesis	be found on the advising website (consult with an academic
		advisor if you have questions about your catalog year): Academic Planning Resources
	See Catalog for full description of requirements.	Academic Flaming Resources