Last Updated: Dec 19, 2023

BIOLBA Degree Snapshot

University Perspectives (0-1 hr)	Chemistry (12-16 hrs hrs, each class is a pre-requisite to the next)
UNIV 1001, University Perspectives (waived for	CHEM 1103/1101L, University Chemistry 1 (Pre-req-MATH
transfer students with 24 or more transferred hours)	1203)
, , , , , , , , , , , , , , , , , , ,	CHEM 1123/1121L, University Chemistry 2
State Core English Composition (0-6 hrs)	
ENGL 1013, Composition 1 or exemption	Choose 1 option:
ENGL 1023, Composition 2 or exemption (see catalog	CHEM 2613/2611L, Organic Physiological Chemistry
for ACT/SAT test score exemption)	Or BOTH:
State Core US History or Government (3 hrs)	CHEM 3603/3601L, Organic Chemistry 1 AND
US HIST/PLSC	CHEM 3613/3611L, Organic Chemistry 2
State Core Mathematics (O hrs)	Physics (8 hrs)
State Core Mathematics (0 hrs) Met in major	PHYS 2013/2011L, College Physics 1 (Pre-req: [MATH 1203
Wet in major	and 1313] or MATH 1284 or 2554. Or Math placement)
State Core Natural Sciences w/ labs (0 hrs)	PHYS 2033/2031L, College Physics 2 (Pre-req: PHYS 2013 or
Completed through major requirements	2054)
	Biology Core (17 hrs)
State Core Social Sciences (9 hrs)	BIOL 1584, Biology for majors (includes lab. Co or pre-req:
Social Science	CHEM 1103)
Social Science	BIOL 2533, Cell Biology (Pre-req: BIOL 1584. CHEM 1123
Social Science	preferred)
State Core Fine Arts (3 hrs)	BIOL 2323, Genetics (Pre-erq: BIOL 1584, CHEM 1103, and
Fine Art	MATH 1203 (or STAT 2303) or higher math)
	BIOL 3863, General Ecology (Pre-req: 7 hrs BIOL classes)
State Core Humanities (0-3 hrs, possibly met with PHIL from major)	BIOL 3023, Evolutionary Biology (Pre-req: BIOL 2323)
Humanities	Choose 1 lab:
	BIOL 2531L, 2321L OR 3861L
Philosophy Requirement (3 hrs)	
Choose 1:	Biology Electives (13 hrs)
PHIL 2103, Intro to Ethics (also counts as core humanities	Take 13 hrs of BIOL electives, 9 hours must be 3000+, and at least
PHIL 2203, Intro to Logic (also counts as core humanities) PHIL 3303, Environmental Ethics	one course must be 2000+ with a lab
PHIL 4213, Philosophy of Science	BIOL 3000+
THE 4213, Thiosophy of Science	BIOL 3000+
Mathematics for Major (6-14 hrs)	BIOL 3000+
MATH 1203, College Algebra (C or higher, or math placement	
score into Pre-Cal. Only required if taking MATH 2554.)	BIOL 2000+ w. Lab
MATH 1284 or 1213 (C or higher, or math placement score	Haman Lavel Course Bule in Maion.
into Cal 1. Only required if taking MATH 2554.)	Upper-Level Course Rule in Major:
MATH 2554, Calculus 1 or MATH 2043, Survey of Calculus	Students are required to take 20 hours of 3000 level credit within their BIOL, CHEM, STAT, and PHIL classes
(required)	Within their BIOL, Chelvi, STAT, and Phil classes
Statistics course	0 15 1 (24.45)
	General Electives (24-45 hrs) How you use these hours will depend on your educational and career goals.
	Early in your degree you might use this section to jot down ideas for
	how to plan. As you get closer to graduation, you might use this section
	to track which classes you've taken outside the above requirements.

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	e, Dual or Concurrent credit	
Year	Fall	Spring	Summer	Total
Year 1				Total 1st year credit hours (aim for 30):
Year 2				Total 2 nd year credit hours (aim for 60):
Year 3				Total 3 rd year credit hours (aim for 90):
Year 4				Total 4 th year credit hours (Must be at least 120):
Do you have All state mir All Major(s), Writing requ Have At leas 24 hours of 30 hours of		of Arts and Sciences classes Arkansas. This can include courses taken for the 24- equisite. Can include transfer credit.) This can inclu		nd 30-hour rules.

COURSES THAT DO NOT COUNT TOWARDS THE 120 HOURS REQUIRED FOR GRADUATION

- ENGL 0002
- MATH 0001L, MATH 0002L, MATH 0003, and MATH 0131L
- Duplicated/Repeated courses (i.e.: if the same course is taken more than once, the hours will only count once for graduation)

Department Information:

Faculty who have exception/substitution authority: Michelle Evans-White or Dan Lessner

<u>Note about Pre-requisites:</u> Due to the nature of math placement, many science classes will offer multiple pre-requisite options. This document lists the class that serves as the pre-requisite, but see the <u>catalog</u> for additional options. Math classes need to be passed with a C or higher to serve as pre-requisites.

Note about Upper-Level Graduation Requirements: All Arts and Sciences majors are required to take a certain number of upper-level classes (See the College and University Requirements section below for a specific breakdown). Due to the large number of choices available in the BIOLBA, the number of upper-level General Electives that a student needs to take will vary. Additionally, Students must complete a minimum of 20 credit hours at the 3000-level from any combination of BIOL, CHEM, STAT, or PHIL requirements.

<u>Transfer Coursework Restriction:</u> At least 50% of a student's Arts and Sciences (ARSC) major or minor must be taken at the University of Arkansas.

<u>GPA (Grade Point Average)</u>: Every student must have at least a 2.00 cumulative grade point average to be eligible to graduate from the University of Arkansas.

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 courses 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 1001, University Perspectives	1023H, ARSC 1201, GNEG 1111, HIST 1003(H), HIST 1003(H), PLSC
		1003, BUSI/WCOB 1111)
0-1 hr)
		,
		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 1013, Composition 1 or SAT/ACT exemption	
	ENGL 1023, Composition 2 or SAT/ACT exemption	
0-6 hrs	, , , , , , , , , , , , , , , , , , , ,	
STATE CORE US	Choose 1: *	*Some courses may appear as options in multiple areas of the
HISTORY or	HIST 2003, History of the American People to 1877	State Core. You can only count each course 1 time in the State Core
GOVERNMENT	HIST 2013, History of the American People 1877 to	and will need unique courses in each of the content areas below.
2 has	Present	
3 hrs	PLSC 2003, American National Government	
STATE CORE	Met in Major	
MATHEMATICS		
0 hrs		
STATE CORE	Completed through major requirements.	
NATURAL	and the second s	
SCIENCES CORE		
0 hrs		
STATE CORE	Choose 3: *	*Some courses may appear as options in multiple areas of the
SOCIAL SCIENCES	AGEC 1103, Principles of Agriculture Microeconomics	State Core. You can only count each course 1 time in the State Core
9 hrs	AGEC 2103, Principles of Agriculture Macroeconomics	and will need unique courses in each of the content areas below.
33	ANTH 1023, Intro to Cultural Anthropology	
	COMM 1023, Communication in a Diverse World	
	ECON 2013, Principles of Macroeconomics	
	ECON 2023, Principles of Microeconomics	
	ECON 2143, Basic Economics: Theory and Practice	
	EDST 2003, Introduction to Educational Studies	
	GEOS 1123, Human Geography	
	GEOS 2003, World Regional Geography	
	HDFS 1403, Life Span Development	
	HDFS 2413, Family Relations	
	HDFS 2603, Rural Families & Communities	
	, and the second	
	HIST 1113, Institutions and Ideas of World Civilizations I	
	HIST 1123, Institutions and Ideas of World Civilizations II	
	HIST 2003, History of the American People to 1877	
	HIST 2013, History of the American People 1877 to	
	Present	
	HIST 2093, Animals in World History	
	HUMN 1114H, Honors Roots of Culture to 500 C.E.	
	(Honors only)	
	HUMN 2114H, Honors Birth of Modern Culture, 1600-	
	1900 (honors only)	
	INST/PLSC 2813, Intro to International Relations & Global	
	Studies	
<u> </u>	1	<u> </u>

	PLSC 2003, American National Government	
	PLSC 2013, Intro to Comparative Politics	
	PLSC 2203, State and Local Government	
	PSYC 2003, General Psychology	
	RESM 2853, Leisure and Society	
	SOCI 2013, General Sociology	
	SOCI 2033, Social Problems STENA 2003, The Art of STENA Consequence in the state of STENA Consequen	
STATE CODE FINE	STEM 2003, The Art of STEM Communication Choose 1:	Classes taken in this category may not overlap in any other core
STATE CORE FINE ARTS	ARCH 1003, Architecture Lecture	
ARTS	ARHS 1003, Art Lecture	category
3 hrs	,	
	COMM 1003, Film Lecture DANG 1003, Management and Danger	
	DANC 1003, Movement and Dance The company of	
	ENGL 2023, Creative Writing 1	
	HUMN 2114H, Honors Birth of Modern Culture 1600-	
	1900 (honors only)	
	LARC 1003, The American Landscape	
	MLIT 1003, Experiencing Music	
	MLIT 1013, Music and Society (music majors only)	
	MLIT 1333, Popular Music	
	THTR 1003, Theatre Appreciation	
	THTR 1013, Musical Theatre Appreciation	
	THTR 1683, Acting I	
	THTR 1883, Acting 1 for Theatre majors	
STATE CORE	Choose 1: *	*Some courses may appear as options in multiple areas of the
HUMANITIES	AAST 2023, The African American Experience	State Core. You can only count each course 1 time in the State Core
0-3 hrs**	ANTH 1033, Introduction to Archeology	and will need unique courses in each of the content areas below.
0-31113	ARCH 1013, Diversity and Design	
	CLST 1003, Introduction to Classical Studies: Greece	
	CLST 1013, Introduction to Classical Studies: Rome	
	COMM 1233, Media, Community and Citizenship	
	DANC 1003, Dance Appreciation	
	ENGL 1213, Introduction to Literature	
	ENGL 2023, Creative Writing I	
	GNST 2003, Introduction to Gender Studies	
	HIST 1113, Institutions and Ideas of World Civilizations I	
	HIST 1123, Institutions and Ideas of World Civilizations II	
	HIST 2003, History of the American People to 1877	
	HIST 2013, History of the American People 1877 to	
	Present	
	HUMN 1124H*, Honors Equilibrium of Cultures 500-1600	
	(Honors only)	
	HUMN 2213, Introduction to World Religions	
	LALS 2013, Introduction to Latin American and Latino	
	Studies	
	MRST 2013, Introduction to Medieval and Renaissance	
	Studies	
	MUSY 2003, Music in World Cultures	
	PHIL 2003, Introduction to Philosophy	
	PHIL 2103, Introduction to Finiosophy PHIL 2103, Introduction to Ethics**	**If taken for the major's Philosophy requirement, these classes
	PHIL 2203, Logic**	can also count here.
	PHIL 2303, Human Nature and the Meaning of Life PHIL 2103, Ethics and the Professions.	
	PHIL 3103, Ethics and the Professions THER 4003. Therefore Appropriation.	
	THTR 1003, Theatre Appreciation	

	THTR 1013, Musical Theatre Appreciation	
	WLIT 1113, World Literature: Beginnings to 1650 CE	
	WLIT 1123, World Literature: 1650 CE to Present	
	Any Intermediate level foreign language numbered at the 2000 level	
	Choose 1:	PHIL 2103 and 2203 overlap with the state minimum humanities
PHILOSOPHY	PHIL 2103, Intro to Ethics (can also count above for	core requirement If a student takes PHIL 3303 of 4213, they will
REQUIREMENT	humanities)	also need a class from the humanities core <u>list</u> .
2 han	PHIL 2203, Intro to Logic (can also count above for	
3 hrs	humanities)	
	PHIL 3303, Environmental Ethics (does not count for	
	humanities core)	
	PHIL 4213, Philosophy of Science (does not count for	
	humanities core)	
MATHEMATICS	Possible Pre-requisite: MATH 1203 (C or higher, or math	* Based on ACT/SAT or other math placement scores, students
FOR MAJOR	placement score into Pre-cal. Only needed if taking	may need to enroll in additional remediation related courses. See
C 4.4 h	MATH 2554.)*	catalog or math placement website for additional information.
6-14 hrs	Possible Pre-requisite: MATH 1284 or 1213 (C or higher, or math placement score into Cal 1. Only needed if taking	
	MATH 2554.)*	
	MATH 2554, Calculus 1 or MATH 2043, Survey of	**MATH 2445, Calculus I with Review, may also count here.
	Calculus (required)**	
	Choose 1:	
	STAT 2303, Principles of Statistics	
	STAT 2823, Biostatistics	
	STAT 3003, Statistical Methods	
	MATH 2183, Mathematical Reasoning	
CHEMISTRY	CHEM 1103/1101L, University Chemistry 1 (Pre-req-	NOTE : each chemistry class is the pre-requisite to the next class.
	MATH 1203)	Students may not proceed to the next class before passing the
12-16 hrs	CHEM 1123/1121L, University Chemistry 2	previous class.
	Choose 1 option:	
	CHEM 2613/2611L, Organic Physiological Chemistry	
	Or BOTH:	
	CHEM 3603/3601L, Organic Chemistry 1 AND	
	CHEM 3613/3611L, Organic Chemistry 2	
	, , , , , , , , , , , , , , , , , , , ,	
<u>PHYSICS</u>	PHYS 2013/2011L, College Physics 1 (Pre-req: [MATH]	Students may also take the following classes, but will have to take
0.1	1203 and 1313] or MATH 1284 or 2554. Or Math	Calculus 1 and Calculus 2 to do this option:
8 hrs	placement) • PLVS 2022/2021 College Physics 2 (Pro reg: PHVS 2012)	PHYS 2054, University Physics 1 (includes lab. Pre-req: MATH)
	 PHYS 2033/2031L, College Physics 2 (Pre-req: PHYS 2013 or 2054) 	2554c))
	,	PHYS 2074, University Physics 2 (includes lab. Pre-req: MATH)
		2564 and PHYS 2074)
BIOLOGY CORE	BIOL 1584, Biology for majors (includes lab. Co or pre-	Note: A student who completes BIOL 1543/BIOL 1541L Principles
17 hrs	req: CHEM 1103)	of Biology/Lab, with a grade of B or better in both courses may
27 3	BIOL 2533, Cell Biology (Pre-req: BIOL 1584. CHEM 1123 Description (Pre-req: BIOL 1584. CHEM 1123) Description (Pre-req: BIOL 1584. CHEM 1123. CHEM 1124. CHEM 1124. CHEM	request a <u>substitution</u> from the department for BIOL 1584. BIOL
	preferred)	1584 is the preferred course, and substitutions are not guaranteed.
	BIOL 2323, Genetics (Pre-erq: BIOL 1584, CHEM 1103,	
	and MATH 1203 (or STAT 2303) or higher math)	
	BIOL 3863, General Ecology (Pre-req: 7 hrs BIOL classes) BIOL 3033, Firelyticapary Biology (Pre-req: PIOL 3033)	
	BIOL 3023, Evolutionary Biology (Pre-req: BIOL 2323)	

	Choose 1 lab:	
	BIOL 2531L, 2321L OR 3861L	
BIOLOGY	Take 13 hours of BIOL electives, which must include <u>9 hrs of</u>	BIOL 1584 and CHEM 1103/1101L & CHEM 1123/1121L are the
ELECTIVES		
13 hrs	a lab.	have additional <u>pre-requisites.</u>
ELECTIVES	3000+ level courses and at least one course that's 2000+ with a lab. NOTE: Upper level BIOL courses vary in hours, so there is not a set number of classes required to get to 13 hrs but would most commonly be 4 classes. Because there is so much variation in options, a student's Degree Audit for this section in UAconnect may not always be accurate until the student asks their academic advisor to manually correct it. Courses that include Labs: Any 2000+ class that lists a lab component as part of its course description can count for the lab requirement. BIOL 480V, 480VH, 499V, and 499VH also count as labs. Common lab classes: BIOL 2011L, General Microbiology BIOL 2211L, Human Physiology BIOL 2211L, Human Physiology BIOL 2321L Genetics lab (If not taken for BIOL core) BIOL 3011L Introduction to Insect Identification BIOL 3011L Plant Pathology BIOL 3011L Introduction to Insect Identification BIOL 3040 Comparative Vert Morphology BIOL 4003L Lab in Prokaryote Biology BIOL 4013 Insect Behavior in Prokaryote Biology BIOL 4013 Insect Behavior in Prokaryote Biology BIOL 4013 Insect Diversity and Taxonomy BIOL 4053 Insect Ecology BIOL 4014 Taxonomy of Flowering Plants BIOL4114 Dendrology BIOL4114 Conservation Genetics BIOL 4114 Conservation Genetics BIOL 4214 Ichthyology Laboratory BIOL 4224 Comparative Physiology BIOL 4040 Comparative Botany (no longer taught, but counts as a lab if taken) BIOL 4571L Population Ecology lab BIOL 4571L Population Ecology lab BIOL 4573L Introduction to Research in Animal Development and Evolution BIOL 4634 Wetlands Ecology and management (no longer taught, but counts as a lab if taken) BIOL 4724 Protistology (no longer taught, but counts as a lab if taken) BIOL 4734 Wildlife Management Techniques	pre-regs to many advanced BIOL courses but some courses may have additional pre-requisites. *Students most often take their 2000+ lab class as a 4-hour lecture/lab combination. This is not required, but students who take a lab class that is less than 4 hours or not paired with a lecture class may need to request their advisor adjust their audit to count all appropriate classes. Classes that transfer as BIOL 399T or 499T may count in this category. as long as students still meet the 50% rule. Not all 99T classes pull into the degree audit automatically, so students may need to request classes be moved into the minor by their academic advisor. A BIOL 299T class could count in this category, if students can demonstrate that the class contained a lab. Common Substitutions and Exceptions (All still require a Substitution form): • Students may ask for up to 1 of the following non-BIOL courses to count for BIOL electives: • ANTH 3533 Medical Anthropology • ANTH 4523 Dental Science • CHEM 3813, Elements of Biochemistry • CHEM 4843H, Honors Biochemistry II (if CHEM 4813H is also completed) • PSYC 3093 Developmental Psychology • PSYC 3173 Biopsychology • PSYC 4183 Behavioral Neuroscience • PBHL 4553 Environmental Health (not taught anymore but counts if previously taken) • PBHL 4613 Principles of Epidemiology • PBHL 4623 Human Diseases • POSC/ANSC 4923 Brain and Behavior
	 BIOL 4744 Fish Biology BIOL 4763 Ornithology 	
	BIOL 4774 Biometry	
	,	1

GENERAL ELECTIVES 24-45 hrs WRITING REQUIREMENT	BIOL 4783 Mammalogy (no longer taught, but counts as a lab if taken) BIOL 4814 Limnology Mammalogy (no longer taught, but counts as a lab if taken) BIOL 4833 Animal Behavior BIOL 4844 Community and Ecosystem Ecology BIOL 4863 Analysis of Animal Populations BIOL 480V: Special Topics "Microbial Fermentation" topic BIOL 480V: Special Topics "Ichthyology" topic BIOL 499V(H) Research in Biological Sciences Hours will vary depending on math placement, philosophy choice, chemistry choice, and whether a student is exempt from ENGL 1013 and 1023. The college writing requirement may be satisfied in one of several ways: Completion of a term paper with a grade of B or better in a BIOL 3000+ course documented with the Writing Requirement Declaration form Completion of BIOL 498V Successful honors thesis defense NOTE: students completing a paper in a BIOL 3000+ course or in BIOL 480V may not also use the paper for credit in BIOL 498V	Some general electives will need to be upper level to meet college and university residency requirements. See Graduation Checklist on page 2 for more information. BIOL Courses with Potential Writing Requirement Options^ ^You will still need to check on the course's syllabus, and with the professor regarding the completion of the writing requirement. ^The list does not guarantee a writing requirement will be offered. This is simply a list of courses that have historically offered writing requirement options. Your advisor has compiled this list based on discussions with other students who have completed writing requirements within these courses in previous semesters. ^This is not an exhaustive list. ^ BIOL 480V: Special Topics courses are likely 3 credit hours each, and typically offered irregularly. BIOL 4554, Developmental Biology BIOL 4153/4252, Global Change Seminar BIOL 4233, Genomics & Bioinformatics BIOL 4433, Principles of Evolution BIOL 4333, Biotechnology in Agri BIOL 4793, Intro to Neurobiology
		 BIOL 4323, Comp Neurobiology BIOL 4833, Animal Behavior BIOL 480V, Microbial Ferm lab BIOL 480V, Microbial Genomics BIOL 480V, Research Ecology BIOL 480V, Evolutionary Ecology
<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 (including up to 6 hours of BIOL 499VH). Complete and defend Honors Thesis See Catalog for full description of requirements.	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 Core for Bachelor of Arts programs need to also complete those additional requirements: • 2023-24 catalog requirements • 2022-23 and older catalog requirements