me: _	ID Number:		Anticipated Graduation Semester:
		PHYSBS-OPTC Degre	·
		Advising No	ptes
		University or College	Requirements
Ove	erall Academic Progress (120 total Hrs i	required):	
OVC			Hours Remaining = 120 hours minimum. Additional hours
			sure to check In Progress hours in Workday for ineligible
	courses.)	in major (3)/ minor (3). [bc	sale to check in Frogress hours in Workday for ineligible
	courses.y		
	Cumulative GPA- UofA courses only	v. 2.0 minimum	
	Major Residency Rule- 19 hrs PHYS		rs remaining after in-progress)
	Upper-Level Enrollment Requireme		
	 ···		prereq (Hrs remaining after in-progress)
	_ 0 0	•	
		State Minimum Core	Requirements
<u>Univ</u>	versity Core in English Composition I		
	ENGL 10103/101H3 Composition I o	r exemption	
		(0.21)	
Univ	versity Core in English Composition II		
	ENGL 10203/102H3 Composition II o	or exemption	
Univ	versity Core in Mathematics (3 hrs pos	sible overlap with Calcul	us I)
	•		easoning (or higher MATH)
	WATT 11000 conege Algebra of WA	ini 11105 Quantitutive N	cusoning (or nighter with this
Univ	versity Core in Science (8 hrs possible o	overlap with multiple clas	sses in the major. Requirements that can overlap with thi
	requirement are marked with **)	•	
	Science w/ lab		
	Science w/ lab	_	
<u>Univ</u>	versity Core in US History or Governm		
	US HIST/PLSC	-	
Univ	versity Core in Fine Arts (3 hrs)		
	Fine Art		
Hair	versity Core in Hymenities (2 hrs)		
OIII	versity Core in Humanities (3 hrs) Humanities		
	numanities		
Univ	versity Core in Social Sciences (9 hrs)		
<u> </u>	Social Science		
	Social Science		
	Social Science	•	

Last Updated: Aug. 4, 2025

Degree Requirements continued on Page 2 with Major Requirements

Major Requirements

University Physics I (4 hrs)**	OPTC Concentration
PHYS 20304 University Physics I	
	Optics (4 hrs)
University Physics II (4 hrs)**	PHYS 35404 Optics
PHYS 20404 University Physics II	
	PHYSBS-OPTC Electives check 1 (3-4 hrs)
University Physics III (4 hrs)	Choose 1:
PHYS 20504 University Physics III	PHYS 47304 Intro to Laser Physics
	PHYS 47703 Intro to Optical Properties of Materials
Electromagnetic Theory I (3 hrs)	
PHYS 34503 Electromagnetic Theory I	PHYSBS-OPTC Electives check 2: 12 hrs ASTR or PHYS
	30000+ (12 hrs)
Modern Physics (3 hrs)	Take 12 credit hours of ASTR or PHYS courses numbered
PHYS 36103 Modern Physics	30000 level or higher. Hours for individual classes vary
Introduction to Quantum Mechanics (3 hrs)	
PHYS 40703 Introduction to Quantum Mechanics	
TTTTS 40703 Introduction to Quantum Mechanics	
Physics Senior Seminar (9 hrs)	
ARTS 19239 Studio Foundations II	
	General Electives (23-37 hrs. Hours vary based on how
Calculus I (4 hrs)	much overlap students choose between major and core
MATH 24004 Calculus I	requirements. If required UNIV 10051 University
	Perspectives counts here.)
Calculus II (4 hrs)	
MATH 25004 Calculus II	
Calculus III (4 hrs)	
MATH 26004 Calculus III	
Elementary Differential Equations (4 hrs)	
MATH 25804 Elementary Differential Equations	
<u>Linear Algebra</u> (3 hrs)	
MATH 30803 Linear Algebra	
Additional Science for PHYSBS (8 hrs expected overlap	
with Physical Geology Lecture and Lab)	
CHEM 14103/14101 University Chemistry I	
GEOL 11103/11101 Physical Geology	

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 st 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):

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. All requirements for graduation are documented un the <u>Catalog of Studies</u>.

University or College Requirements				
Academic Requirement Name	Catalog Requirement	Additional Notes		
Overall Academic Progress	Overall Academic Progress: 120 graduation eligible hours required	 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. 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. 		
Cumulative GPA	GPA: must be 2.0 or higher	GPA: Students must maintain a 2.0 Grade Point Average (GPA) to remain in good standing and be eligible for graduation.		
Fulbright College 40- Hour Rule	 Fulbright College 40-hour rule: minimum 40 hours upper-level. Includes all 30000+ courses and 20000+ if the course has prerequisite. 	• 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.		
PHYSBS Residency Rule	PHYSBS Residency Rule: minimum 19 hours PHYS 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 Requi	rements		
University Core in English Composition I	 ENGL 10103/101H3 Composition I or SAT/ACT exemption 	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				

	T .	
<u>University Core in</u>	Choose 1:	Based on ACT/SAT or other math placement scores
<u>Mathematics</u>	MATH 11003 College Algebra	students may need to enroll in additional remediation
2 1	MATH 11103 Quantitative Reasoning	related courses. See <u>catalog</u> or <u>math placement</u>
3 hrs		website for additional information.
University Core in	Choose 2: (each class will have a required lecture	Some classes will have pre-requisites
<u>Science</u>	and lab component):	
	ANTH 10143/ANTH 10141 Intro to Biological	
8 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 15 413 / 15 4111)	
	BIOL 154H3/154H1)	
	BIOL 10104 Biology for Majors BIOL 10202 (10204 Pl. 1 P.	
	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 10003/10001 Environmental science	
	, , , , , , , , , , , , , , , , , , , ,	
	ENTO 10203/10201 Insects Science and Carrieta	
	Society Control (14404 Plants 100 Plants	
	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) 	
University Core in US	Choose 1: *	*Some courses may appear as options in multiple
<u>History or</u>	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 Proceed.	categories.
31113	1877 to PresentPLSC 20003 American National Government	
	(or PLSC 200H3)	
University Core in	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 ITHTR 18803 Acting 1 for Theatre majors	
University Core in	Choose 1: *	*Some courses may appear as options in multiple
<u>Humanities</u>	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)	-
	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)	
	, , , , , , , , , , , , , , , , , , , ,	

DASC 21303 Data Privacy & Ethics ENGL 11103 World Literature: Beginnings to 1550 CE (or FNGL 111143) ENGL 12103 Morld Literature: 1650 CE to Present (or FNGL 112143) ENGL 12103 Introduction to Literature (or ENGL 121143) ENGL 20103 Creative Writing I GNST 20003 Introduction to Gender Studies (or GNST 20013) HUMN 12144 Honors Equilibrium of Cultures 500-1600 (Honors only) HUMN 22103 Introduction to World Religions LALS 20103 Introduction to World Religions LALS 20103 Introduction to Medieval and Renaissance Studies MRST 20103 Introduction to Medieval and Renaissance Studies MRST 20103 Introduction to Philosophy (or PHIL 20003 Introduction to Philosophy (or PHIL 20003 Introduction to Ethics PHIL 22003 Logic PHIL 22003 Human Nature and the Meaning of Life PHIL 30103 Theatre Appreciation (or THTR 100H3) 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 Social Sciences ACEC 11003 Principles of Agriculture Microeconomics (or ACEC 110H3) AGEC 21003 Principles of Agriculture Microeconomics (or ACEC 110H3) AGEC 21003 Principles of Agriculture Microeconomics (or ACEC 110H3) ANTH 10203 Intro to Cultural Anthropology (or ANTH 102143) COMM 10203 Communication in a Diverse		DANC 10003 Dance Appreciation	
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- 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)

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	SOCI 10103 General Sociology (or SOCI	
	201H3)	
	SOCI 20103 Social Problems	
	STEM 20003 The Art of STEM	
	Communication	
	Major Requirement	<u>s</u>
University Physics I	PHYS 20304 University Physics I	
4 hrs		
University Physics II	PHYS 20404 University Physics II	
4 hrs		
University Physics III	PHYS 20504 University Physics III	Students may take MEEG 24003 and MEEG 35003 in
		lieu of PHYS 20504. Students will need to ask their
4 hrs		department advisor to get this substitution once they
		are done with both courses.
Electromagnetic	PHYS 34503 Electromagnetic Theory I	
Theory I		
3 hrs		
Modern Physics	PHYS 36103 Modern Physics	
3 hrs		
Introduction to	PHYS 40703 Introduction to Quantum Mechanics	
Quantum Mechanics		
3 hrs		
Physics Senior	PHYS 49901 Physics Seminar	A written report of a physics or astronomy research
<u>Seminar</u>		project must be submitted during Senior Seminar.
1 hr		
	MATH 24004 Calculus I	Students must earn a C or higher to use a class as a
<u>Calculus I</u>		pre-requisite.
4 hrs		MATH 14005 Calculus I with Review can also count
		here.
Calculus II	MATH 25004 Calculus II	Students must earn a C or higher to use a class as a
<u>Calculus II</u>	I WATTI 20004 Calculus II	_
4 hrs		pre-requisite.
<u>Calculus III</u>	MATH 26004 Calculus III	Students must earn a C or higher to use a class as a
		pre-requisite.
4 hrs		
Elementary	MATH 25804 Elementary Differential Equations	Students must earn a C or higher to use a class as a
Differential Equations	· · · · · · · · · · · · · · · · · · ·	pre-requisite.
		F = -4-1-1-1-1
4 hrs		
Linear Algebra	MATH 30803 Linear Algebra	Students must earn a C or higher to use a class as a
		pre-requisite.
3 hrs		1

Additional Science for PHYSBS 8 hrs	CHEM 14103/14101 University Chemistry I GEOL 11103/11101 Physical Geology	Students may not receive credit for both MATH 30903 and MATH 30803. If students took MATH 30903 instead of MATH 30803 they should seek substitution from the department. MEEG 27003 can be substituted for MATH 30803. Students will need to ask their department advisor to get this substitution. There are other classes listed in the catalog but Geophysics concentrations need to take these two courses for pre-requisites or concentration requirements. **Students may count GNEG 11101 in lieu of CHEM 14101. Students will need to ask their department advisor for this substitution.
	OPTC Concentration	
Optics	PHYS 35404 Optics	
<u>optics</u>	71113 33404 Optics	
4 hrs		
PHYSBS-OPTC	Choose 1:	*This is an overlapping requirement. Courses taken
Electives check 1	PHYS 47304 Intro to Laser Physics	for this requirement will also count in PHYSBS-OPTC
3-4 hrs*	PHYS 47703 Intro to Optical Properties of Materials	Electives check 2: 12 hrs ASTR or PHYS 30000+
PHYSBS-OPTC Electives check 2: 12 hrs ASTR or PHYS	Take 12 credit hours of ASTR or PHYS courses numbered 30000 level or higher.	* This is an overlapping requirement. Courses taken for PHYSBS-OPTC Electives check 1will also count here.
30000+ 12 hrs*		nere.
General Electives	Hours will vary depending on concentration	Some general electives may need to be upper-level to
23-37 hrs	choice, possible overlap in major, and whether a student is exempt from ENGL 10103, ENGL 10203,	meet college and university residency requirements.
	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 required to take UNIV 10051.
<u>Honors</u>	Minimum Requirements for Honors:	Honors Capstone Project Timeline: Honors students
	Maintain cumulative grade point average of	should consistently work with their academic advisor
	3.5.	and thesis advisor to ensure they stay on track with
	Complete Honors <u>Capstone Project</u>	their honors requirements, but can consult the
	Complete all required Honors Courses	Fulbright Honors SharePoint for important dates.

See Catalog for full description of requirements.*

^{*} Students following honors requirements from a catalog earlier than 2025-26 should consult with their academic advisor to confirm requirements.