

2021-2022 Degree Map-Bachelor of Science in Physics Education

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate in four years. The Sample Schedule serves as a general guideline to help you build a full schedule each term. See course descriptions and prerequisites at <http://www.atu.edu/catalog/>

Possible Careers Include: Biological Science Teacher, Forestry/Conservation Science Teacher, Atmospheric, Earth, Marine, and Space Science Teacher, Chemistry Teacher, Environmental Science Teacher, Physics Teacher

#Prerequisite Courses: ENGL 0303 ___ MATH 0803 ___ MATH 1003 ___ MATH 0903 ___ MATH 1113 ___ MATH 1110 ___ MATH 1203 ___ MATH 1914 ___

Sample Schedule		Milestones/Notes	
Semester 1	Hrs.	Grade	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#	Required for admission to Stage II
PHSC 1053- Astronomy	3	#	
MATH 2914- Calculus I (ACTS= MATH 2405)	4	#	Required for admission to Stage II
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4	#	
PHSC 1001- Orientation to Physical Science	1	#	
Total hours	15	GPA	
Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	Required for admission to Stage II
BIOL/ENVS/PHSC 1004- Principles of Environmental Science	4	#	
MATH 2924- Calculus II (ACTS= MATH 2505)	4	#	
CHEM 2134/2130- General Chemistry II (ACTS= CHEM 1424)	4	#	
PHSC 1011- Orientation to Physical Science II	1	#	
Total hours	16	GPA	
Semester 3	Hrs.	Grade	Semester 3
HIST 1903- Survey of American History	3	#	
PHYS 2114/2000- Calculus-Based Physics I (ACTS=PHYS2034)	4	#	Pre/co-requisite: MATH 2924
MATH 2934- Calculus III (ACTS= MATH 2603)	4	#	
POLS 2003- American Government (ACTS= PLS2003)	3	#	
SEED 2002- Education as a Profession	2	#	Required for admission to Stage II
Total hours	16	GPA	
Semester 4	Hrs.	Grade	Semester 4
COMM 2003- Public Speaking	3	#	Required for admission to Stage II
PHYS 2124/2010- Calculus-Based Physics II (ACTS=PHYS2044)	4	#	
MATH 3243- Differential Equations	3	#	Prerequisite: MATH 2924
PHSC 2003- Physics in Society and the Environment	3	#	
General Elective	3		2.70+ GPA REQUIRED
Total hours	16	GPA	PHYS & SEED Advisor Assigned

The Arkansas Course Transfer System (ACTS) is designed to assist in planning the academic progress of students. This system contains information about the transferability of courses within Arkansas public colleges and universities. The Arkansas Course Transfer System can be accessed at <https://www.adhe.edu/students-parents/colleges-universities/transfer-info.-for-students/>

Fine Arts and Humanities
ART 2123 Experiencing Art (ACTS=ARTA1003)
MUS 2003 Introduction to Music (ACTS=MUSC1003)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)
ENGL 2173 Introduction to Film
IOUR 2173 Introduction to Film
ENGL 2183 Honors Introduction to Film
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)
ENGL 2023 Honors World Literature
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)
PHIL 2043 Honors Introduction to Philosophy
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)

Sample Schedule		Milestones/Notes	
Semester 5	Hrs.	Grade	Semester 5
Fine Arts & Humanities	3		Apply for Admission to Stage II
Fine Arts & Humanities	3		
ANTH 2003- Cultural Anthropology (ACTS=ANTH 2013)	3	#	
PHYS 3213- Modern Physics			Prereq: PHYS 2124, PHYS 3213 offered fall
OR PHYS 3133- Theory of Electricity and Magnetism	3	#	odd years, PHYS 3133 offered fall even years
PHYS, PHSC, CHEM, or MATH Elective	3	#	
Total hours	15	GPA	
Semester 6	Hrs.	Grade	Semester 6
COMS 2003-Microcomputer Applications			Prerequisite: COMS 1003/BUAD 2003
OR COMS 2803- Programming in C	3	#	
PHYS 4113- Advanced Physics Laboratory			Prerequisite: PHYS 3213
OR PHYS 4993- Special Problems in Physics and Astronomy	3	#	
PHSC 3033- Meteorology	3	#	Prereq: any PHSC course, offered spring only
PHSC 3252- The Nature and Context of Science	2	#	offered spring only
SEED 3702- Introduction to Educational Technology	2	#	
Total hours	13	GPA	APPLY FOR GRADUATION
Semester 7	Hrs.	Grade	Semester 7
PHYS 3213- Modern Physics			Prereq: PHYS 2124, PHYS 3213 offered fall
OR PHYS 3133- Theory of Electricity and Magnetism	3	#	odd years, PHYS offered fall even years
PHSC/BIOL 3233- Science Education in the Secondary School	3	#	Prereq: 16 hours BIOL or PHSC and SEED 2002
SEED 4054- Educating Developing, Diverse, and Exceptional Learners	4	#	
SEED 4556-Classroom Application of Educational Psychology	6	#	
Total hours	16	GPA	Apply for Internship
Students must receive passing Praxis II scores to be admitted to Internship			
Semester 8	Hrs.	Grade	Semester 8
PHSC 4701- Special Methods in Physical Science	1	#	MUST BE ADMITTED
SEED 4503- Seminar in Secondary Education	3	#	TO INTERNSHIP
SEED 4909- Teaching in the Secondary School	9	#	Graduation Requirements:
			Min. 120 earned hours
Total Hours	13	GPA	2.70+ GPA

General Electives: 3 hour (1000-4000 level)

indicates a "C" or better is required