

**2015-2016 Degree Map-Bachelor of Science in Physical Science and Earth Science 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/academics/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

#Remedial Courses (if applicable): ENGL 0303 \_\_\_\_\_ ENGL 0404 \_\_\_\_\_ READ 0103 \_\_\_\_\_ MATH 0903 \_\_\_\_\_

**Sample Schedule**

Semester 1	Hrs.	Grade	Milestones/Notes
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#	Required for admission to Stage II
GEOL 1004- Essentials of Earth Science (ACTS=PHSC1104) OR GEOL 1014- Physical Geology (ACTS=GEOL 1114)	4	#	
MATH 1914- Precalculus (ACTS= MATH 1305)	4	#	Required for admission to Stage II
CHEM 2124- General Chemistry I (ACTS= CHEM 1414)	4	#	
PHSC 1001- Orientation to Physical Science	1	#	
Total hours	16	GPA	
Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	Required for admission to Stage II
BIOL 1114- Principles of Biology (ACTS= 1014)	4	#	
MATH 2914- Calculus I (ACTS= MATH 2405)	4	#	
CHEM 2134- General Chemistry II (ACTS= CHEM 1424)	4	#	
Total hours	15	GPA	
Semester 3	Hrs.	Grade	Semester 3
HIST 2003- United States History to 1877 (ACTS=HIST2113) OR HIST 2013 United States History from 1877 (ACTS=HIST2123)	3	#	Fall-Take and pass Praxis I
PHYS 2014- Physical Principles I (ACTS= PHYS2014) OR PHYS 2114- General Physics I (ACTS=PHYS2034)	4	#	Must also enroll in a section of Lab, PHYS 2000
MATH 2924- Calculus II (ACTS= MATH 2505)	4	#	Milestone
CHEM 3254- Fundamentals of Organic Chemistry	4	#	Milestone
SEED 2002- Introduction to Secondary Education	2	#	Required for admission to Stage II
Total hours	17	GPA	
Semester 4	Hrs.	Grade	Semester 4
SPH 2003- Public Speaking	3	#	Required for admission to Stage II
PHYS 2024- Physical Principles II (ACTS= PHYS2024) OR PHYS 2124- General Physics II (ACTS=PHYS2044)	4	#	Must also enroll in a section of Lab, PHYS 2010
PHYS, PHSC, CHEM, or MATH Elective	3	#	Passed Praxis I? Yes? ___ No? ___
CHEM 3313- Environmental Chemistry	3	#	2.70+ GPA REQUIRED
Total hours	13	GPA	SCI & 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 <http://acts.adhe.edu/>

**Fine Arts and Humanities**

ART 2123 Experiencing Art (ACTS=ART1003)  
 MUS 2003 Introduction to Music (ACTS=MUSC1003)  
 TH 2273 Introduction to Theatre (ACTS=DRAM 1003)  
 ENGL 2173 Introduction to Film  
 JOUR 2173 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

**Sample Schedule**

Semester 5	Hrs.	Grade	Milestones/Notes
Fine Arts & Humanities	3		Apply for Admission to Stage II
Fine Arts & Humanities	3		
CHEM/PHSC 4993- Special Prob Chem/Physics and Astronomy	3	#	
PHSC 3053- Astronomy	3	#	
PHYS 3213- Modern Physics	3	#	
Total hours	15	GPA	
Semester 6	Hrs.	Grade	Semester 6
POLS 2003- American Government (ACTS= PLSC2003)	3	#	
COMS 2003-Microcomputer Applications OR COMS2803- Programming in C	3	#	
PHSC 3033- Meteorology	3	#	
PHSC 3252- The Nature and Context of Science	2	#	
SEED 3702- Introduction to Educational Technology	2	#	
General Elective	2		
Total hours	15	GPA	APPLY FOR GRADUATION
Semester 7	Hrs.	Grade	Semester 7
ANTH 2003- Cultural Anthropology (ACTS=ANTH 2013)	3	#	
PHSC 3233/BIOL 3233- Science Ed in Secondary School	3	#	Prereqs: 16 hrs Science & SEED 2002
SEED 3552- Adolescent Development	2	#	
SEED 4052- Adolescent Exceptionalities	2	#	Requires Stage II Admission
SEED 4556- Classroom Application of Educational Psychology	6	#	Requires Stage II Admission
Total hours	16	GPA	Apply for Internship
<b>Students must receive passing Praxis II scores to be admitted to Internship</b>			
Semester 8	Hrs.	Grade	Semester 8
PHSC 4701- Special Methods in Physical Science	1	#	MUST BE ADMITTED TO INTERNSHIP
SEED 4503- Seminar in Secondary Education	3	#	
SEED 4909- Teaching in the Secondary School	9	#	
Total Hours	13	GPA	Graduation Requirements: Min. 120 earned hours 2.70+ GPA

General Electives: 2 hour (1000-4000 level)

# indicates a "C" or better is required