

**2020-2021 Degree Map-Bachelor of Science in Physical Science**

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: Natural Sciences Manager, Astronomer, Atmospheric and Space Scientist, Hydrographer, Hydrologist, Materials Scientist, Meteorologist, Oceanographer, Oceanographic Assistant, Paleontologist, Seismologist, Soil Scientist, Surveying Technician**

#Prerequisite Courses: ENGL 0303 \_\_\_ MATH 0803 \_\_\_ MATH 1003 \_\_\_ MATH 0903 \_\_\_ MATH 0900 \_\_\_ MATH 1113 \_\_\_ MATH 1110 \_\_\_

**Sample Schedule**
**Milestones/Notes**

Semester 1	Hrs.	Grade	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#	
Biological Science	4		
MATH 1914- Pre-Cal (ACTS= MATH1305) <b>or</b> MATH 1203- Plane Trig (ACTS: MATH1203)	3 or 4	#	Placement in Pre-Cal or Trig is determined by MATH ACT score.
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4		Students with MATH ACT of 26 or higher may be eligible to enroll in MATH 2914.
PHSC 1001- Orientation to Physical Science	1		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	

Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
Social Science	3		
MATH 2914- Calculus I (ACTS= MATH 2405)	4		Milestone
CHEM 2134/2130- General Chemistry II (ACTS= CHEM 1424)	4		
PHSC 1011- Orientation to Physical Science II	1		No substitutions allowed.
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	

Semester 3	Hrs.	Grade	Semester 3
Fine Arts & Humanities	3		
Social Science	3		
MATH 2924- Calculus II (ACTS= MATH2505)	4		Milestone
GEOL 1014- Physical Geology (ACTS= GEOL 1114)	4		
PHYS 2014/2000- ALG Phys. I or PHYS2114/2000- CAL Physics I	4		(ACTS= PHYS 2014 or 2034) PHYS2114 rec. if planning to pursue a graduate program.
<b>Total hours</b>	<b>18</b>	<b>GPA</b>	

Semester 4	Hrs.	Grade	Semester 4
Fine Arts & Humanities	3		
U.S. History & Government	3		
Biology Elective	4		
PHYS 2024/2010- ALG Phys. II or PHYS2124/2010- CAL Physics II	4		(ACTS=PHYS 2024 or 2044) PHYS 2124 rec. if planning to pursue a graduate program.
<b>Total hours</b>	<b>14</b>	<b>GPA</b>	<b>PHSC ADVISOR ASSIGNED</b>

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	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ART1003)	HIST 1903 Survey of American History
MUS 2003 Introduction to Music (ACTS=MUSC1003)	HIST 2003 United States History to 1877 (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors United States History to 1877
ENGL 2173 Introduction to Film	HIST 2013 United States History since 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2183 Honors Introduction to Film	<b>Communication Courses</b>
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	COMM 1003 Intro to Speech Com.m
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	COMM 2003 Public Speaking
ENGL 2023 Honors World Literature	COMM 2173 Business and Professional Speaking
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
COMS 2803- Programming in C	3		
PHYS 3213- Modern Phys. <b>or</b> General Elective (3000-4000 level)	3		<b>Note 1:</b> Must complete both PHYS3213 & Elective. PHYS3213 offered in alternating years.
PHSC 3053- Astronomy	3		
PHSC/MATH/ENGR Elective	3		See exclusions below.
PHSC/MATH Elective (3000-4000 level)	4		See exclusions below.
<b>Total hours</b>	<b>16</b>	<b>GPA</b>	

Semester 6	Hrs.	Grade	Semester 6
Social Sci./Fine Arts/Humanities/Comm	3		
PHSC/MATH/ENGR Elective	3		See exclusions below.
PHSC/MATH Elective (3000-4000 level)	3		See exclusions below.
PHSC/MATH Elective (3000-4000 level)	3		See exclusions below.
General Elective	3		
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	<b>APPLY FOR GRADUATION</b>

Semester 7	Hrs.	Grade	Semester 7
PHYS 3213- Modern Phys. or General Elective (3000-4000 level)	3		See <b>Note 1</b> in Semester 5
General Elective (3000-4000 level)	3		
General Elective (3000-4000 level)	3		
General Elective (3000-4000 level)	3		
General Elective (3000-4000 level)	2		
<b>Total hours</b>	<b>14</b>	<b>GPA</b>	

Semester 8	Hrs.	Grade	Graduation Requirements:
PHSC 3033- Meteorology	3		Min. hours 3000-4000 level courses: 40
PHSC/MATH Elective (3000-4000 level) Exclusions below.	4		No more than 4 PE activity hours
PHSC/MATH Elective (3000-4000 level) Exclusions below.	3		Min. hours required:120
General Elective	3		2.00+ GPA
<b>Total hours</b>	<b>13</b>	<b>GPA</b>	No more than 12 hours of "D" grades

General Electives: 6 hours (1000-4000) level; 14 hours (3000-4000 level)

PHSC/MATH Elective Exclusions: GEOL1004, MATH3003, 3033, 4113, PHSC1004, PHSC 1013/1021

# indicates a "C" or better is required

History	Social Sciences
HIST 1503 World History to 1500 (ACTS=HIST1113)	ECON 2013 Principles of Economics II (ACTS=ECON2203)
HIST 1513 World History since 1500 (ACTS=HIST1123)	SOC 1003 Introductory Sociology (ACTS=SOCI1013)
HIST 1543 Honors World History to 1500	PSY 2003 General Psychology (ACTS=PSYC1103)
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)	ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)
HIST 2043 Honors U.S. History to 1877	GEOG 2013 Regional Geography of the World (ACTS=GEOG2103)
HIST 1903 Survey of American History	AMST 2003 American Studies
POLS 2003 American Government (ACTS=PLSC2003)	
ECON 2003 Principles of Economics I (ACTS=ECON2103)	
ECON 2103 Honors Principles of Economics I	