

**2016-2017 Degree Map-Bachelor of Science in Physical Science: General Option**

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

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

**Sample Schedule**

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
ENGL 1013: Comp I (ACTS=ENGL 1013)	3	#		
Biological Science	4			
MATH1914: Pre-Cal (ACTS= MATH1305) <b>or</b> MATH1203: 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 24+ may be eligible to enroll in MATH 2914.	
PHSC1001: Orientation to Physical Science	1			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 2	Hrs.	Grade	Milestones/Notes	Semester 2
ENGL 1023: Comp II (ACTS= ENGL 1023)	3	#		
Social Science	3			
MATH2914: Calculus I (ACTS= MATH 2405)	4		Milestone	
CHEM2134/2130: General Chemistry II (ACTS= CHEM 1424)	4			
PHSC1011: Orientation to Physical Science II	1		No substitutions allowed.	
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
Fine Arts & Humanities	3			
Social Science	3			
MATH2924: Calculus II (ACTS= MATH2505)	4		Milestone	
GEOL1014: Physical Geology (ACTS= GEOL 1114)	4			
PHYS 2014/2000: Phys. Princ. I or PHYS2114/2000: Gen. Phys	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	Milestones/Notes	Semester 4
Fine Arts & Humanities	3			
U.S. History & Government	3			
Biology Elective	4			
PHYS 2024/2010: Phys. Princ. II or PHYS2124/2010: Gen. Phy	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://facts.adhe.edu/>

Fine Arts and Humanities	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ARTA1003)	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 from 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	<b>Communication Courses</b>
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	COMM 1003 Intro. to Speech Com. (ACTS=SPCH1003)
ENGL 2023 Honors World Literature	COMM 2003 Public Speaking
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	COMM 2173 Business and Professional Speaking
PHIL 2043 Honors Introduction to Philosophy	

**Sample Schedule**

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
COMS2803: 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.	
PHSC3053: 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	Milestones/Notes	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	Milestones/Notes	Semester 7
PHYS 3213: Modern Phys. or General Elec. (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	Milestones/Notes	Semester 8
PHSC3033: Meteorology	3		<b>Graduation Requirements:</b> Min. hours 3000-4000 level courses: 40 No more than 4 PE activity hours Min. hours required: 120 2.00+ GPA No more than 12 hours of "D" grades	
PHSC/MATH Elective (3000-4000 level) Exclusions below.	4			
PHSC/MATH Elective (3000-4000 level) Exclusions below.	3			
General Elective	3			
<b>Total hours</b>	<b>13</b>	<b>GPA</b>		

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

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