

Bachelor of Science in Physical Science and Earth Science Education - 8-Semester Guaranteed Program

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/>.

Employment Information: Biological Science Teacher, Forestry/Conservation Science Teacher, Atmospheric, Earth, Marine, and Space Science Teacher, Chemistry Teacher

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

Semester 1 Course Information	Hrs.	Grade	Notes
ENGL 1013 - Composition I (ACTS = ENGL 1013)	3	#	Required for admission to Stage II
GEOL 1004 - Essentials of Earth Science (ACTS = PHSC 1104) 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 5 Course Information	Hrs.	Grade	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 2 Course Information	Hrs.	Notes
ENGL 1023 - Composition II (ACTS = ENGL 1023)	3	# Required for admission to Stage II
BIOL 1114 - Principles of Biology (ACTS = BIOL 1014)	4	#
MATH 2914 - Calculus I (ACTS = MATH 2405)	4	#
CHEM 2134 - General Chemistry II (ACTS = CHEM 1424)	4	#
Total hours	15	GPA

Semester 6 Course Information	Hrs.	Notes
POLS 2003 - American Government (ACTS = PLSC 2003)	3	#
COMS 2003 - Microcomputer Applications or COMS 2803 - 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

Semester 3 Course Information	Hrs.	Notes
HIST 2003 - United States History to 1877 (ACTS = HIST 2113) or HIST 2013 - United States History from 1877 (ACTS = HIST 2123)	3	# Fall-Take and pass Praxis I
PHYS 2014 - Physical Principles I (ACTS = PHYS2014) or PHYS 2114 - General Physics I (ACTS = PHYS 2034)	4	# Must also enroll in the corresponding lab
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 7 Course Information	Hrs.	Notes
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

Semester 4 Course Information	Hrs.	Notes
SPH 2003- Public Speaking	3	# Required for admission to Stage II
PHYS 2024 - Physical Principles II (ACTS = PHYS 2024) or PHYS 2124 - General Physics II (ACTS = PHYS 2044)	4	# Must also enroll in the corresponding lab
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

Semester 8 Course Information	Hrs.	Notes
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	# Graduation Requirements: Students must complete 120 hours and achieve a 2.7 GPA or higher.
Total Hours	13	GPA

indicates a "C" or better is required
General Electives: 2 hours (1000-4000)

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	Social Sciences	Speech Courses
ART 2123 - Experiencing Art (ACTS = ARTA 1003)	HIST 1903 - Survey of American History	HIST 1503 - World History to 1500 (ACTS = HIST 1113)	ECON 2013 - Princ of Economics II (ACTS = ECON 2203)
MUS 2003 - Introduction to Music (ACTS = MUSC 1003)	HIST 1903 - U.S. History to 1877 (ACTS = HIST 2113)	HIST 1513 - World History since 1500 (ACTS = HIST 1123)	SOC 1003 - Introductory Sociology (ACTS = SOC1 1013)
TH 2273 - Introduction to Theatre (ACTS = DRAM 1003)	HIST 2043 - Honors U.S. History to 1877	HIST 1543 - Honors World History to 1500	PSY 2003 - General Psychology (ACTS = PSYC 1103)
ENGL 2173 - Introduction to Film	HIST 2103 - U.S. History II (ACTS = HIST 2123)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	ANTH 1213 - Intro to Anthropology (ACTS = ANTH 1013)
JOUR 2173 - Introduction to Film	POLS 2003 - American Government (ACTS = PLSC 2003)	HIST 2013 - U.S. History since 1877 (ACTS = HIST 2123)	ANTH 2003 - Cultural Anthropology (ACTS = ANTH 2013)
ENGL 2003 - Intro to World Literature (ACTS = ENGL2113)	Science with Lab	HIST 2043 - Honors U.S. History to 1877	GEOG 2013 - Regional Geography (ACTS = GEOG 2103)
ENGL 2013 - Intro to American Literature (ACTS = ENGL 2653)	BIOL 1014 - Intro to Biological Science (ACTS = BIOL 1004)	HIST 1903 - Survey of American History	AMST 2003 - American Studies
ENGL 2023 - Honors World Literature	BIOL/PHSC 1004 - Principles of Environmental Science	POLS 2003 - American Government (ACTS = PLSC 2003)	SPCH 1003 - Intro to Speech Com (ACTS = SPCH 1003)
PHIL 2003 - Introduction to Philosophy (ACTS = PHIL 1103)	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)	ECON 2003 - Princ of Economics I (ACTS = ECON 2103)	SPH 2003 - Public Speaking
PHIL 2043 - Honors Introduction to Philosophy	PHSC 1013/1021 - Physical Sci/Lab (ACTS = PHSC 1004)	ECON 2103 - Honors Principles of Economics I	SPH 2173 - Business and Professional Speaking