

NAME: \_\_\_\_\_ T#: \_\_\_\_\_



### Bachelor of Science in Chemistry (Professional Option) - 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: Biophysicist, Chemical Engineer, Chemical Technician, Conservation Scientist, Environmental Engineer, Food & Drug Inspector, Food Technologist

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

Prerequisites (if applicable): MATH 1914 (ACTS = MATH 1305) \_\_\_\_\_ or MATH 1203 (ACTS = MATH 1203) \_\_\_\_\_

Semester 1 Course Information	Hrs.	Grade	Notes	Semester 5 Course Information	Hrs.	Grade	Notes
ENGL 1013 - Composition I (ACTS = ENGL 1013)	3	#		Fine Arts & Humanities	3		
Social Science	3			CHEM 3301 - Chemistry Seminar	1	#	
MATH 2914 - Calculus I (ACTS = MATH 2405)	4		Milestone	CHEM 3324 - Physical Chemistry I	4	#	
PHSC 1001 - Orientation to Physical Science	1			CHEM 3423 - Descriptive Inorganic Chemistry	3	#	
CHEM 2124/2120 - General Chemistry I (ACTS = CHEM 1414)	4	#	Milestone	CHEM Elective	3	#	Excludes CHEM 1113 and CHEM 2204
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		<b>Total hours</b>	<b>14</b>	<b>GPA</b>	

Semester 2 Course Information	Hrs.	Notes	Semester 6 Course Information	Hrs.	Notes
ENGL 1023 - Composition II (ACTS = ENGL 1023)	3	#	Fine Arts & Humanities	3	
BIOL 1114 - Principles of Biology (ACTS = BIOL 1014)	4		Social Science/Fine Arts/Humanities/Speech	3	
MATH 2924 - Calculus II (ACTS = MATH 2505)	4		CHEM 3334 - Physical Chemistry II	4	#
PHSC 1011 - Orientation to Physical Science II	1		General Elective	3	
CHEM 2134/2130 - General Chemistry II (ACTS = CHEM 1424)	4	#	General Elective	3	
<b>Total hours</b>	<b>16</b>	<b>GPA</b>	<b>Total hours</b>	<b>16</b>	<b>GPA</b> <b>APPLY FOR GRADUATION</b>

Semester 3 Course Information	Hrs.	Notes	Semester 7 Course Information	Hrs.	Notes
Social Science	3		CHEM 3344 - Principles of Biochemistry	4	#
PHYS 2114/2000 - General Physics I (ACTS = PHYS 2034)	4		CHEM 4401 - Chemistry Seminar	1	#
MATH 2934 - Calculus III (ACTS = MATH 2603)	4		CHEM 4414 - Instrumental Analysis	4	#
COMS 2003 - Microcomputer Applications or COMS 2803 - Programming in C	3	prereq = COMS 1003	CHEM 4433 - Advanced Topics in Chemistry	3	#
CHEM 3254 - Fundamentals of Organic Chemistry	4	#	<b>Total hours</b>	<b>12</b>	<b>GPA</b>
<b>Total hours</b>	<b>18</b>	<b>GPA</b>	<b>Total hours</b>	<b>12</b>	<b>GPA</b>

Semester 4 Course Information	Hrs.	Notes	Semester 8 Course Information	Hrs.	Notes
U.S. History & Government	3		CHEM 4424 - Advanced Inorganic Chemistry	4	#
PHYS 2124/2010 - General Physics II (ACTS = PHYS 2044)	4		CHEM 4992-4 - Special Problems in Chemistry or CHEM 4952-4 - Research in Chemistry	2-4	#
CHEM 3245 - Quantitative Analysis	5	#	General Elective	5-7	
CHEM 3264 - Mechanistic Organic Chemistry	4	#	<b>Total Hours</b>	<b>11-15</b>	<b>GPA</b>
<b>Total hours</b>	<b>16</b>	<b>GPA</b>	<b>CHEM ADVISOR ASSIGNED</b>		<b>Graduation Requirements:</b>

# indicates a "C" or better is required

General Electives: 13 hours (1000-4000) or sufficient number to earn 120 total hours.

Recommended electives: German, Statistics, or ENGL 2053 (ACTS=ENGL2023)

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