

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
ENGL 1013 - Composition I (ACTS = ENGL 1013)	3	#	
Social Science	3		
MATH 2914 - Calculus I (ACTS = MATH 2405)	4		Milestone
PHSC 1001 - Orientation to Physical Science	1		
CHEM 2124/2120 - General Chemistry I (ACTS = CHEM 1414)	4	#	Milestone
Total hours	15	GPA	

Semester 2 Course Information	Hrs.	Grade	Notes
ENGL 1023 - Composition II (ACTS = ENGL 1023)	3	#	
BIOL 1114 - Principles of Biology (ACTS = BIOL 1014)	4		Milestone
MATH 2924 - Calculus II (ACTS = MATH 2505)	4		Milestone
PHSC 1011 - Orientation to Physical Science II	1		MANDATORY
CHEM 2134/2130 - General Chemistry II (ACTS = CHEM 1424)	4	#	
Total hours	16	GPA	

Semester 3 Course Information	Hrs.	Grade	Notes
Social Science	3		
PHYS 2114/2000 - General Physics I (ACTS = PHYS 2034)	4		Milestone
MATH 2934 - Calculus III (ACTS = MATH 2603)	4		
COMS 2803 - Microcomputer Applications or COMS 2803 - Programming in C	3		prereq = COMS 1003
CHEM 3254 - Fundamentals of Organic Chemistry	4	#	Milestone
Total hours	18	GPA	

Semester 4 Course Information	Hrs.	Grade	Notes
U.S. History & Government	3		
PHYS 2124/2010 - General Physics II (ACTS = PHYS 2044)	4		
CHEM 3245 - Quantitative Analysis	5	#	
CHEM 3264 - Mechanistic Organic Chemistry	4	#	
Total hours	16	GPA	CHEM ADVISOR ASSIGNED

indicates a "C" or better is required

Semester 5 Course Information	Hrs.	Grade	Notes
Fine Arts & Humanities	3		
CHEM 3301 - Chemistry Seminar	1	#	
CHEM 3324 - Physical Chemistry I	4	#	
CHEM 3423 - Descriptive Inorganic Chemistry	3	#	
CHEM Elective	3	#	Excludes CHEM 1113 and CHEM 2204
Total hours	14	GPA	

Semester 6 Course Information	Hrs.	Grade	Notes
Fine Arts & Humanities	3		
Social Science/Fine Arts/Humanities/Speech	3		
CHEM 3334 - Physical Chemistry II	4	#	
General Elective	3		
General Elective	3		
Total hours	16	GPA	APPLY FOR GRADUATION

Semester 7 Course Information	Hrs.	Grade	Notes
CHEM 3344 - Principles of Biochemistry	4	#	
CHEM 4401 - Chemistry Seminar	1	#	
CHEM 4414 - Instrumental Analysis	4	#	
CHEM 4433 - Advanced Topics in Chemistry	3	#	
Total hours	12	GPA	

Semester 8 Course Information	Hrs.	Grade	Notes
CHEM 4424 - Advanced Inorganic Chemistry	4	#	Graduation Requirements: Students must complete 120 hours and achieve a 2.0 GPA or higher with at least 40 hours over 3000 level. No more than 4 hours can be in PE.
CHEM 4992-4 - Special Problems in Chemistry or CHEM 4952-4 - Research in Chemistry	2-4	#	
General Elective	5-7		
Total Hours	11-15	GPA	

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
ART 2123 - Experiencing Art (ACTS = ARTA 1003)	HIST 1903 - Survey of American History
MUS 2003 - Introduction to Music (ACTS = MUSC 1003)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)
TH 2273 - Introduction to Theatre (ACTS = DRAM 1003)	HIST 2043 - Honors U.S. History to 1877
ENGL 2173 - Introduction to Film	HIST 2013 - U.S. History II (ACTS = HIST 2123)
JOUR 2173 - Introduction to Film	POLS 2003 - American Government (ACTS = PLSC 2003)
ENGL 2003 - Intro to World Literature (ACTS = ENGL2113)	Science with Lab
ENGL 2013 - Intro to American Literature (ACTS = ENGL 2653)	BIOL 1014 - Intro to Biological Science (ACTS = BIOL 1004)
ENGL 2023 - Honors World Literature	BIOL/PHSC 1004 - Principles of Environmental Science
PHIL 2003 - Introduction to Philosophy (ACTS = PHIL 1103)	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)
PHIL 2043 - Honors Introduction to Philosophy	PHSC 1013/1021 - Physical Sci/Lab (ACTS = PHSC 1004)

Social Sciences	
HIST 1503 - World History to 1500 (ACTS = HIST 1113)	ECON 2013 - Prince of Economics II (ACTS = ECON 2203)
HIST 1513 - World History since 1500 (ACTS = HIST 1123)	SOC 1003 - Introductory Sociology (ACTS = SOCI 1013)
HIST 1543 - Honors World History to 1500	PSY 2003 - General Psychology (ACTS = PSYC 1103)
HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	ANTH 1213 - Intro to Anthropology (ACTS = ANTH 1013)
HIST 2013 - U.S. History since 1877 (ACTS = HIST 2123)	ANTH 2003 - Cultural Anthropology (ACTS = ANTH 2013)
HIST 2043 - Honors U.S. History to 1877	GEOG 2013 - Regional Geography (ACTS = GEOG 2103)
HIST 1903 - Survey of American History	AMST 2003 - American Studies
POLS 2003 - American Government (ACTS = PLSC 2003)	Speech Courses
ECON 2003 - Prince of Economics I (ACTS = ECON 2103)	SPH 1003 - Intro to Speech Com (ACTS = SPCH 1003)
ECON 2103 - Honors Principles of Economics I	SPH 2003 - Public Speaking
	SPH 2173 - Business and Professional Speaking