

U.S. History & Government

CHEM3245: Quantitative Analysis

CHEM3264: Mechanistic Organic Chemistry

PHYS 2024/2010: Phys. Princ. II or PHYS2124/2010: Gen. Phy

NAME: T#:	DATE:
-----------	-------

8-Semester Guaranteed Program

Sample Schedule

Rev. 03/07/16

Milestones /Notes

2016-2017 Degree Map-Bachelor of Science in Chemistry: Biochemistry 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: Medical, Dental, Biophysicist, Chemical Engineer, Chemical Technician, Conservation Scientist, Environmental Engineer, Food Technologist, Forensic Science Technician, Industrial Air Pollution Analyst, Industrial Waste Inspector, Materials Scientist, Microbiologist, Pharmacist, Soil Scientist, Toxicologist, Water Pollution Control Inspector

(ACTS= PHYS 2024 or 2044)

CHEM ADVISOR ASSIGNED

#Remedial Courses (if applicable):ENGL 0303 ENGL 0)404	_ READ 010	3 MATH 0903
Sample Schedule			Milestones/Notes
Semester 1	Hrs.	Grade	Semester :
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#	
Social Science	3		
MATH 2914: Calculus I (ACTS= MATH 2405)	4		# C or > required for Gen Ed. Mileston
PHSC1001: Orientation to Physical Science	1		
CHEM2124/2120: General Chemistry I (ACTS= CHEM 1414)	4	#	Milestone
Total hours	15	GPA	
Semester 2	Hrs.		Semester 2
ENGL 1023: Comp II (ACTS= ENGL 1023)	3	#	
BIOL1114: Principles of Biology (ACTS= BIOL 1014)	4		
MATH2924: Calculus II (ACTS= MATH 2505)	4		
PHSC1011:Orientation to Physical Science II (MANDATORY)	1		
CHEM2134/2130: General Chemistry II (ACTS= CHEM 1424)	4	#	Milestone
Total hours	16	GPA	
Semester 3	Hrs.		Semester 3
Social Science	3		
PHYS 2014/2000: Phys. Princ. I or PHYS2114/2000: Gen. Phys	4		(ACTS= PHYS 2014 or 2034
COMS2003*:Microcomp. Apps. or COMS2803:Prog. in C	3		*(COMS 2003 prereq.= COMS 1003
CHEM3254: Fund. of Organic Chemistry	4	#	Milestone
Total hours	14	GPA	
Semester 4	Hrs		Semester /

Total hours	16	GPA	CHEM ADVISOR ASSIGN
The Arkansas Course Transfer System (ACTS) is designed to assist in planning t	the acaden	nic progress of	students. This system contains information
about the transferability of courses within Arkansas public colleges and univer	rsities. The	Arkansas Cou	rse Transfer System can be accessed at
http://acts.adhe.edu/			

4

5 #

4 #

S. History & Government
ST 1903 Survey of American History
ST 2003 United States History to 1877 (ACTS=HIST2113)
ST 2043 Honors United States History to 1877
ST 2013 United States History from 1877 (ACTS=HIST2123)
LS 2003 American Government (ACTS=PLSC2003)
mmunication Courses
MM 1003 Intro. to Speech Com. (ACTS=SPCH1003)
MM 2003 Public Speaking
MM 2173 Business and Professional Speaking
ST L

Prerequisites (if a	pplicable):MATH 1914(ACTS=MATH1305)	OR MATH 1203(ACTS=MATH1203)

	ivilles tolles/ Notes		
Hrs.	Grade	Semester 5	
3			
4			
1	#		
4	#		
4		Recommend Statistics or ENGL2053	
		-	
16	GPA		
	3 4 1 4 4		

Semester 6	Hrs.		Semester 6
BIOL2014: Human Anatomy (ACTS=BIOL 2404)	4		
BIOL3034: Genetics	4		
CHEM3423: Descriptive Inorganic Chemistry	3	#	
CHEM3363: Metabolic Biochemistry	3	#	
Total hours	14	GPA	APPLY FOR GRADUATION

Semester 7	Hrs.		Semester 7
BIOL3074: Human Physiology or BIOL3174: Physiological Ecology	4		
CHEM3324: Physical Chemistry I	4	#	Pre-req: PHYS 2114
CHEM4414: Instrumental Analysis	4	#	
CHEM Elective (3000-4000 level)	3		Recommend Statistics or ENGL2053
CHEM4991:Spcl Probs.Chem. OR CHEM4951: UG Rsrch in Chem.	1		
Total hours	16	GPA	
Semester 8	Hrs.		Semester 8
Fine Arts & Humanities	3		
Social Sci/Fine Arts/Humanities/Comm	3		Graduation Requirements:
BIOL4033: Cell Biology	3		Min. hours 3000-4000 level courses: 40
CHEM4401: Chemistry Seminar	1	#	No more than 4 PE activity hours
CHEM4991:Spcl Probs.Chem. OR CHEM4951: UG Rsrch in Chem.	1		Min. hours required:120
General Elective	2		No more than 12 hours of D's.
Total Hours	13	GPA	

General Electives: 6 hours 1000-4000 level (Statistics and ENGL 2053 recommended)

indicates a "C" or better is required

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

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

ECON 2013 Principles of Economics II (ACTS=ECON2203)

SOC 1003 Introductory Sociology (ACTS=SOCI1013)