PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)

8-Semester Guaranteed Program

T#:

DATE:

Rev. 03/09/19

2019-2020 Degree Map-Bachelor of Science in Chemistry: Environmental 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/catalog/

Possible careers include: Biophysicist, Chemical Engineer, Chemical Technician, Conservation Scientist, Environmental Engineer, Food & Drug Inspector, Food Technologist, Forensic Science Technician, Industrial Air Pollution Analyst, Industrial Waste Inspector, Materials Scientist, Microbiologist, Pharmacist, Soil Scientist, Toxicologist, Water Pollution Control Inspector

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Sample Schedule Milestones/Notes			Sample Schedule		-	Milestones/Notes	
Semester 1	Hrs.	Grade	Semester 1	Semester 5	Hrs.	Grade	Semester
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#		Fine Arts & Humanities		5	
MATH2243- Calc. for Bus. & Econ. (ACTS=MATH 2203)	3	#	MATH 2914 may substitute	ENGL 2053- Technical Writing (ACTS=ENGL 2023)	(1)	5	
PHSC 1001- Orientation to Physical Science	1			BIOL 2124- Principles of Zoology (ACTS= BIOL 1054)	Z	L.	
PHSC 1004- Principles of Environmental Science	4		Milestone	GEOL 1014- Physical Geology (ACTS= GEOL 1114)	2		
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4	#		CHEM 3353- Fundamentals of Toxicology	3	; #	
			Milestone				
Total hours	15	GPA		Total hours	17	' GPA	
Semester 2	Hrs.		Semester 2	Semester 6	Hrs.		Semester
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#		Fine Arts & Humanities	(T)	;	
Social Science	3			Social Sci/Fine Arts/Humanities/Comm	3	; #	
CHEM 3313- Environmental Chemistry	3			BIOL 2134- Principles of Botany (ACTS= BIOL 1034)	4	L .	
PHSC 1011- Orientation to Physical Science II (MANDATORY)	1			BIOL 3043- Conservation	3		
CHEM 2134/2130- Gen. Chemistry II (ACTS= CHEM 1424)	4	#		CHEM 3111- Environmental Seminar		#	
ECON 2003- Principles of Economics I (ACTS= 2103)	3			Total hours	14	GPA	APPLY FOR GRADUATIO
Total hours	-	GPA			-		
Semester 3	Hrs.		Semester 3	Semester 7	Hrs.		Semester
U.S. History & Government	3			BIOL 3054- Microbiology		4	
STAT 2163 or PSY/SOC 2053- Stat. Meth or Stats-Behv	3			BIOL 3114- Principles of Ecology	2	l I	
COMS 2003*- Microcomp. Apps. or COMS2803:Prog. in C	3		*(COMS 2003 prereq.= COMS 1003)	GEOL 3083- Hydrogeology	3	5	
PHYS 2014/2000- Physical Principles I (ACTS= PHYS 2014)	4		Milestone	CHEM 4414- Instrumental Analysis	4	#	
CHEM 3254- Fund. of Organic Chemistry	4	#	Milestone				
Total hours	17	GPA			15	GPA	
Semester 4	Hrs.		Semester 4	Semester 8	Hrs.		Semester
PHYS 2024/2010- Physical Principles II (ACTS= PHYS 2024)	4			CHEM 4111- Environmental Seminar	1	. #	
CHEM 2111- Environmental Seminar	1	#		CHEM 4991-4- Special Problems in Chemistry OR	1-4	#	Graduation Requiremen
CHEM 3245- Quantitative Analysis	5	#		CHEM 4951-4- Undergraduate Research in Chemistry			Min. hours 3000-4000 level courses
CHEM 3264- Mechanistic Organic Chemistry	4	#		General Elective	6-9)	No more than 4 PE activity ho
							Min. hours required:
Total hours	14	GPA	CHEM ADVISOR ASSIGNED	Total Hours	11	GPA	2.00+ 0
The Arkansas Course Transfer System (ACTS) is designed to assist in planni				General Electives: 6 to 9 hours (1000-4000 level) as neede	d to earn	120 total hours
about the transferability of courses within Arkansas public colleges and un http://acts.adhe.edu/	niversities. The	Arkansas Cou	rse Transfer System can be accessed at	# indicates a "C" or better is required			
Fine Arts and Humanities	U.S. History & Government			Social Sciences			
ART 2123 Experiencing Art (ACTS=ARTA1003)			erican History	HIST 1503 World History to 1500 (ACTS=HIST1113)	ECON 2013 Principles of Economics II (ACTS=ECON2203) SOC 1003 Introductory Sociology (ACTS=SOCI1013)		
MUS 2003 Introduction to Music (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003)			History to 1877 (ACTS=HIST2113) d States History to 1877	HIST 1513 World History since 1500 (ACTS=HIST1123) HIST 1543 Honors World History to 1500	SUC 1003 Introductory Sociology (ACIS=SUCI1013) PSY 2003 General Psychology (ACIS=PSYC1103)		
ENGL 2173 Introduction to Film	HIST 2013	HIST 2013 United States History since 1877 (ACTS=HIST2123)		HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)		
JOUR 2173 Introduction to Film	POLS 200	POLS 2003 American Government (ACTS=PLSC2003)		HIST 2013 U.S. History since 1877 (ACTS=HIST2123)	ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)		
ENGL 2183 Honors Introduction to Film		cation Course		HIST 2043 Honors U.S. History to 1877			ography of the World (ACTS=GEOG2103)
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)		003 Intro to Sp		HIST 1903 Survey of American History	AMSI 200	3 American St	uales
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653) ENGL 2023 Honors World Literature		003 Public Spe	aking nd Professional Speaking	POLS 2003 American Government (ACTS=PLSC2003) ECON 2003 Principles of Economics I (ACTS=ECON2103)			
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	COIVIIVI Z	L' 2 DUSILIESS d	na rocolonal speaking	ECON 2003 Principles of Economics I (ACTS=ECON2103) ECON 2103 Honors Principles of Economics I			
PHIL 2043 Honors Introduction to Philosophy							