



Name:			PURE CHEMISTRY COURSEWORK					
SID #:			Chemistry Bachelor of Science					
BREADTH REQUIREMENTS			CHEM Core Requirement Lower-Div			PURE CHEMISTRY		
			Entire major GPA must completed with at least a 2.00 GPA			Upper-Division Coursework		
<u>Common Breadth Courses</u>			<u>Course Offerings</u>			<u>Course Offerings</u>		
English (12 units) - Grade of "C" or better is required			Course Name	Units	Completed	Course Name	Units	Grade
Course Name	Units	Completed	CHEM 001A/01LA	5		CHEM 110A	4	
ENGL001A	4		CHEM 001B/01LB	5		CHEM 110B	4	
ENGL001B	4		CHEM 001C/01LC	5		CHEM 111	4	
CHEM125W	5		CHEM 005	5		CHEM 113	4	
HUMANITIES (12 units minimum)			CHEM 008A/08LA	4		CHEM 125W	5	
One (1) course from: World History 10, 15, or 20			CHEM 008B/08LB	4		CHEM 150A	4	
			CHEM 008C/08LC	4		CHEM 191	1	
One (1) course in: fine arts, literature, philosophy, or religious studies			<u>PHYS 040A</u>	5		One course chosen from the following:		
			PHYS 040B	5		CHEM 114	4	
One (1) additional humanities course			PHYS 040C	5		CHEM 140	4	
			<u>MATH009A</u>	4		One course chosen from the following:		
SOCIAL SCIENCES (12 units minimum)			MATH009B	4		CHEM 166	4	
One (1) course in: economics, political science			MATH009C	4		BCH 162	4	
			MATH 010A	4		One course chosen from the following:		
One (1) course in: anthropology, psychology, sociology			Two courses chosen from the following:			BCH 100	4	
			MATH 010B	4		BCH 110A	4	
One (1) additional social sciences course			MATH 031	5		CHEM 143	4	
			MATH 046	4		One course chosen from the following:		
ETHNIC STUDIES (4 units minimum)			Any upper-division courses used for concentration must have C- or better. Refer to catalog to review prerequisite requirements.			CHEM 135	4	
May count towards add'l humanities or add'l social sciences, but not both						CHEM 136	4	
BIOLOGICAL SCIENCES (4 units minimum)			Refer to your university catalog year and degree audit for specific course listings and all major requirements.			CHEM 150B	4	
						CHEM 197*	4	
MATHEMATICS (4 units minimum)						CHEM 199*	4	
						*May be taken in increments for a total of 4 units		
PHYSICAL SCIENCE (4 units minimum)								
Two additional 4-unit courses from life sciences or physical science								



Name:			CHEMICAL PHYSICS COURSEWORK					
SID #:			Chemistry Bachelor of Science					
BREADTH REQUIREMENTS			CHEM Core Requirement Lower-Div			CHEMICAL PHYSICS		
			Entire major GPA must completed with at least a 2.00 GPA			Upper-Division Coursework		
<u>Common Breadth Courses</u>			<u>Course Offerings</u>			<u>Course Offerings</u>		
English (12 units) - Grade of "C" or better is required			Course Name	Units	Completed	Course Name	Units	Grade
Course Name	Units	Completed	CHEM 001A/01LA	5		CHEM 110A	4	
ENGL001A	4		CHEM 001B/01LB	5		CHEM 110B	4	
ENGL001B	4		CHEM 001C/01LC	5		CHEM 111	4	
CHEM125W	5		CHEM 005	5		CHEM 113	4	
HUMANITIES (12 units minimum)			CHEM 008A/08LA	4		CHEM 114	4	
One (1) course from: World History 10, 15, or 20			CHEM 008B/08LB	4		CHEM 150A	4	
			CHEM 008C/08LC	4		CHEM 150B	4	
One (1) course in: fine arts, literature, philosophy, or religious studies			MATH009A	4		CHEM 191	1	
			MATH009B	4		21 units of upper-division Coursework in upper-division MATH or PHYS (excluding 190 series)		
One (1) additional humanities course			MATH009C	4				
			MATH 010A	4				
SOCIAL SCIENCES (12 units minimum)			MATH 010B	4				
One (1) course in: economics, political science			MATH 046	4				
			Choose one of the following series:					
One (1) course in: anthropology, psychology, sociology			PHYS 041A	8				
			PHYS 041B	8				
One (1) additional social sciences course			PHYS 041C	8		Nine additional units in Physical		
			or					
ETHNIC STUDIES (4 units minimum)			PHYS 040A	5				
May count towards add'l humanities or add'l social sciences, but not both			PHYS 040B	5				
			PHYS 040C	5				
BIOLOGICAL SCIENCES (4 units minimum)			PHYS 041C	8		*Suggested courses are CHEM 125W + CHEM 140 or CHEM 166		
			Refer to your university catalog year and degree audit for specific course listings and all major requirements.					
MATHEMATICS (4 units minimum)								
PHYSICAL SCIENCE (4 units minimum)						Any upper-division courses used for concentration must have C- or better. Refer to catalog to review prerequisite requirements.		
Two additional 4-unit courses from life sciences or physical science								

Name:			ENVIRONMENTAL CHEMISTRY COURSEWORK					
SID #:			Chemistry Bachelor of Science					
BREADTH REQUIREMENTS			CHEM Core Requirement Lower-Div		ENVIRONMENTAL CHEMISTRY Upper-Division Coursework			
<u>Common Breadth Courses</u>			<u>Course Offerings</u>		<u>Course Offerings</u>			
English (12 units) - Grade of "C" or better is required			Course Name	Units	Completed	Course Name	Units	Grade
Course Name	Units	Completed	CHEM 001A/01LA	5		CHEM 110A	4	
ENGL001A	4		CHEM 001B/01LB	5		CHEM 110B	4	
ENGL001B	4		CHEM 001C/01LC	5		CHEM 111	4	
CHEM125W	5		CHEM 005	5		CHEM 113	4	
HUMANITIES (12 units minimum)			CHEM 008A/08LA	4		CHEM 114 or CHEM 140	4	
One (1) course from: World History 10, 15, or 20			CHEM 008B/08LB	4		CHEM 135	4	
			CHEM 008C/08LC	4		CHEM 136	4	
One (1) course in: fine arts, literature, philosophy, or religious studies			PHYS 040A	5		CHEM 150A	4	
			PHYS 040B	5		CHEM 166	4	
One (1) additional humanities course			PHYS 040C	5		CHEM 191	1	
			MATH009A	4		One course chosen from the following:		
SOCIAL SCIENCES (12 units minimum)			MATH009B	4		BCH 100	4	
One (1) course in: economics, political science			MATH009C	4		BCH 110A	4	
			MATH 010A	4		CHEM 143	4	
One (1) course in: anthropology, psychology, sociology			MATH 010B	4		One course chosen from the following:		
			MATH 046	4		ENSC 104	4	
One (1) additional social sciences course			BIOL 005A	4		GEO 107	4	
			BIOL 05LA or BIOL 020	4		Two courses chosen from the following:		
ETHNIC STUDIES (4 units minimum)			BIOL 005B	4		CHEM 150B	4	
May count towards add'l humanities or add'l social sciences, but not both			BIOL 005C	4		CHEM 197 or CHEM 199	4	
			Any upper-division courses used for concentration must have C- or better. Refer to catalog to review prerequisite requirements.			ENSC 100	4	
BIOLOGICAL SCIENCES (4 units minimum)						ENSC 101	4	
			Refer to your university catalog year and degree audit for specific course listings and all major requirements.			ENSC 102	4	
MATHEMATICS (4 units minimum)						ENSC 140	4	
			Refer to your university catalog year and degree audit for specific course listings and all major requirements.			ENSC 163	4	
PHYSICAL SCIENCE (4 units minimum)						ENTX 101	4	
						GEO 132	4	
Two additional 4-unit courses from life sciences or physical science						GEO 157	4	
						ENTX 101	4	
						GEO 132	4	
						GEO 157	4	