



Name:			<b>CHEMICAL PHYSICS COURSEWORK</b>					
SID #:			Chemistry Bachelor of Science					
<b>BREADTH REQUIREMENTS</b>			<b>CHEM Core Requirement Lower-Div</b> Entire major GPA must completed with at least a 2.00 GPA			<b>CHEMICAL PHYSICS</b> 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	Completed
Course Name	Units	Completed	CHEM 001A/01LA or 002A/02LA	5		CHEM 110A	4	
ENGL001A	4		CHEM 001B/01LB or 002B/02LB	5		CHEM 110B	4	
ENGL001B	4		CHEM 001C/01LC or 002C/02LC	5		CHEM 111	4	
ENGL001C	4		CHEM 005	5		CHEM 113	4	
HUMANITIES (12 units minimum)			CHEM 008A/08LA	4		CHEM 150A	4	
One (1) course from: World History 10, 15, or 20			CHEM 008B/08LB	4		CHEM 191	1	
			CHEM 008C/08LC	4		20 units of upper-division Coursework in upper-division MATH or PHYS (excluding 190 series)		
One (1) course in: fine arts, literature, philosophy, or religious studies			MATH009A	4				
			MATH009B	4				
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				
			or					
ETHNIC STUDIES (4 units minimum)			PHYS 040A	5		CHEM 197 or CHEM 199, with an emphasis on physical chemistry research. 4 additional units of CHEM 197 or 199 can be used to replace 4 units of the 20 units of MATH/PHYS requirement, subject to advisor approval.		
May count towards add'l humanities or add'l social sciences, but not bot			PHYS 040B	5				
			PHYS 040C	5				
BIOLOGICAL SCIENCES (4 units minimum)			PHYS 041C	8				
MATHEMATICS (4 units minimum)			Refer to your university catalog year and degree audit for specific course listings and all major requirements.					
PHYSICAL SCIENCE ( 4 units minimum)			 					
Two additional 4-unit courses from life sciences or physical science								
			Any upper-division courses used for concentration must have C- or better. Refer to catalog to review prerequisite requirements.					