



Name:			<b>PHYSICS- Applied Physics &amp; Engineering</b>					
SID #:			<b>Track Coursework</b>					
<b>BREADTH REQUIREMENTS</b> (180 units minimum to graduate, 216 max)			PHYS Bachelor of Science (Fall 2020 catalog to current)					
<u>Breadth Courses</u>			<b>PHYS Core Lower-Division</b> Please refer to prerequisite requirements for all courses			<b>PHYS Upper Division Core</b>		
English (12 units) - Grade of "C" or better is required			<u>Course Offerings</u>			<u>Course Offerings</u>		
Course Name	Units	Completed	Course Name	Units	Completed	Course Name	Units	Completed
ENGL001A	4		MATH 009A	4		PHYS 130A	4	
ENGL001B	4		MATH 009B	4		PHYS 130B	4	
ENGL001C	4		MATH 009C	4		PHYS 132	4	
HUMANITIES (12 units minimum)			CS010A OR 009P	4		PHYS 135A	4	
One (1) course from: World History 10, 15, or 20			MATH 010A	4		PHYS 135B	4	
			MATH 010B	4		PHYS 156A	4	
One (1) course in: fine arts, literature, philosophy, or religious studies			MATH 046	4		PHYS 156B	4	
			PHYS 039	3		PHYS 142W or 142L or 139L	4-5	
One (1) additional humanities course			CHEM 001A/01LA	5		UD PHYS Elective	4	
			CHEM 001B/01LB	5		<b>PHYS- Applied Physics &amp; Engineering track</b> must take the following:		
SOCIAL SCIENCES (12 units minimum)			CHEM 001C/01LC	5				
One (1) course in: economics, political science			One of the following PHYS sequences (PHYS 41A/B/C series preferred):			16 units of approved engineering electives including a minimum of 8 units at the upper division level.		
			PHYS 041A	8		<u>Approved engineering electives</u>		
One (1) course in: anthropology, psychology, sociology			PHYS 041B	8		ENGR Elective	4	
			PHYS 041C	8		ENGR Elective	4	
One (1) additional social sciences course			OR			UD ENGR Elective	4	
			PHYS 040A	5		UD ENGR Elective	4	
ETHNIC STUDIES (4 units minimum)			PHYS 040B	5		Please review course offerings for course availability and appropriate course planning.		
May count towards addt'l humanities or addt'l social sciences, but not both			PHYS 040C	5				
BIOLOGICAL SCIENCES (4 units minimum)			PHYS 040D			Please review course offerings for course availability and appropriate course planning.		
			PHYS 040E					
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								

