

Advising Sheet: Subject Matter Preparation Program in Science:Physics 2005-2006 and later

Name:				Red ID:		e-mail:				
SDSU Physical Science Major (See Natural Science Program or Physics in the SDSU Catalog)						Phone:				
Phoebe Roeder, Adviser AD 103 Liberal Studies Office 594-0597 proeder@mail.sdsu.edu										
TOTAL if Calif. Gov. Exam or UD AI	120	recommend	date	grade	college	TOTAL with credential prerequisites	126	rec	date	grade
		semester						sem		
TOTAL LOWER DIVISION with CRED PREREQ	81					TOTAL UD with UD CRED PREREQ	45			
TOTAL LD PREP, CORE, GE, & AI	80					TOTAL UD MAJOR, CORE, AND GE	40			
LOWER DIVISION PREP FOR MAJOR	32					UPPER DIVISION MAJOR	24			
Chem 200 General Chemistry I (lab)	5	1				Math 342A Methods of Applied Mathematics I	3	5		
Math 150 Single Variable Calculus	4	1				Phys 311 Electronics for Scientists (lab)	4	5		
Math 151 Calculus & Anal Geom	4	2				Phys 317 Intro to Computational Physics	2	6		
Math 252 Multivariate Calculus	4	3				Phys 350 Classical Mechanics	3	7		
Phys 195 Principles of Physics I	3	2				Phys 354 Modern Physics	3	5		
Phys 195L Princ of Physics Lab	1	2				Phys 357 Adv Physical Measure (lab)	3	7		
Phys 196 Principles of Physics II	3	3				Phys 360 Thermal Physics	3	8		
Phys 196L Princ of Physics Lab	1	3				Phys 400A Classical Electromagnetism I	3	7		
Phys 197 Principles of Physics III	3	4								
Phys 197L Princ of Physics Lab	1	4								
Phys 242 Intro to Mathematical Physics (spring only)	3	4								
LOWER DIVISION SCIENCE PROGRAM CORE	21					UPPER DIVISION SCIENCE CORE	7			
African Amer St 140, Chicana/o St 111A, or Com 103	3	2				Nat Science 315 Hist of Science & Tech	3	6		
Astronomy 201 General Astronomy	3	8				Geological Sci 412 Process & Inquiry: Earth Sci	4	6		
Astronomy 109 Astronomy Laboratory	1	8				(for both the above, check with Dr. Roeder re availability)				
Biology 201A Princ. Cell & Molec. Biol. (lab)	4	3				Portfolio Assessment: due middle of senior year				
Biology 201B Princ. Organismal Biol. (lab)	4	8								
Chemistry 201 General Chemistry II (lab)	5	3								
Teacher Ed 211 Math and Science Field Experience (TE 211 is now only available during fall semester.)	1	3								
LOWER DIVISION GE & AI	27					UPPER DIVISION GENERAL EDUCATION	9			
GE Composition (ex. Rhetoric & Writing St 100)	3	1				Social (Recommend Linguistics 420)	3	6		
GE Intermediate Composition (ex RWS 200)	3	2				Humanities (Cross Cultural Explorations)	3	5		
GE Social Sci (Recommend Psych 101)	3	2				Upper division American Institutions	3	7		
GE Social Science	3	4								
GE Hum (lit, art, or phil)	3	1				GRADUATION WRITING ASSESSMENT				
GE Hum (lit, art, or phil; different area)	3	4				Take during semester when achieve 60 units or the semester following				
GE Hum (Rec. Foreign Lang.)	3	Su 1				Score of 10: Passed				
GE Hum (history)	3	5				Score of 8 or 9: Need Upper Division Writing Course with C or better				
Lower division American Institutions	3	8				Score of 7 or less: Must enroll in RWS 280 or 281; earn C or better; and enroll in an upper division writing course				
(Consider courses from Africana Studies and Chicana/o Studies to gain cultural literacy)										
LOWER DIVISION CRED PREREQUISITES	1					UPPER DIVISION CRED PREREQUISITES	5			
HHS 280 Health Educ for Teachers (1 unit)	1					Education 451 Multicultural Ed (3 units)	3	8		
30hours of field experience & CBSET						Special Ed 450 Class Adapt Special Pop (2 units)	2	extra		