fferings required Units 4 4	Grade	4	8-53 un	major and p	•		-	
required Units 4 4		Lower Division 4	8-53 un		•		-	
Units 4 4		4		its				
4 4	Grade	+5 Additional Lower	Lower Division 48-53 units			CLIMATE CHANGE CONCENTRATION		
4			5 Additional Lower Division Units		Upper-Division Coursework 32-36 units			
		Course Name	Units	Grade	Course Name	Units	Grade	
4		GEO 001	4		GEO 160	4		
4		GEO 002 or 009 or 011	4		GEO 161	4		
HUMANITIES (12 units)		GEO 003/BIOL 010	4		GEO 163	4		
One (1) course from: World History 10, 15, or 20		Must take one (1) from the following:		Three (3) classes chosen from the following:				
4		GEO 004 or	4		GEO 136	4		
dance, n	nusic, theater)	GEO 007 or	4		GEO 137	4		
		GEO 008 or	4		GEO 162	4		
4		GEO 010 or	4		ENSC 102	4		
One (1) additional 4-unit course from the subjects listed above		GEO 012	4		Three (3) ad	dditional cl	asses chosen from:	
		Completion of the following:			GEO100, GEO101, GEO116, GEO118, GEO122,			
SOCIAL SCIENCES (12 units)		BIOL 005A & 05LA/020	5/6		GEO132, GEO136, GEO137, GEO140, GEO144,			
One (1) course in: economics, political science		CHEM 001A/01LA	5		GEO145, GEO147, GEO151, GEO152/BIOL152,			
4		CHEM 001B/01LB	5		GEO162, GEO169, GEO180, GEO181, GEO182,			
One (1) course in: anthropology, psychology, sociology		CHEM 001C/01LC	5		GEO184, STAT155			
4		MATH 009A	4		OR			
One (1) additional 4-unit course from courses listed above		MATH 009B	4		GEO101A, GEO101B, and two of GEO100,			
4		MATH 046	4		GEO116, GEO118, GEO122, GEO132, GEO136,			
ETHNIC STUDIES (4 units)		Must take one (1) PHYS Series from below:		GEO137, GEO140, GEO144, GEO145, GEO147,				
May count towards addt'l humanities or addt'l social sciences, but not both		PHYS 040A	5		GEO151, GEO152, GEO162, GEO169, GEO180,			
4		PHYS 040B	5		GEO181, GEO182, GEO184, STAT155			
		or						
4		PHYS 002A & 02LA	5					
		PHYS 002B & 02LB	5					
4		PHVS 040C or PHVS 002C and 02LC is						
PHYSICAL SCIENCE (4 units)								
4		recommended for Geophysics electives.						
Two (2) additional A-unit courses from math, biological sciences or physical					Refer to your university catalog year and			
4			Core Upper Division Requirements (13 units)			degree audit for specific course listings and all		
		GEO 111	4		major requirements.			
UC RIVERSIDE College of Natural & Agricultural Sciences			5		Please also refer to your advisor for course			
			4		planning and review course offerings every academic year.			
	4 dance, n 4 listed ab 4 ociology 4 ted abov 4 ted abov 4 nces, but 4 aces or p 4 4 4 aces or p 4 4	4 dance, music, theater) 4 listed above 4 4 ociology 4 4 oces, but not both 4	or 20 Must take one (1) fro 4 GEO 004 or dance, music, theater) GEO 007 or GEO 008 or GEO 010 or listed above GEO 012 Completion of the BIOL 005A & 05LA/020 CHEM 001A/01LA 4 CHEM 001B/01LB pciology CHEM 001C/01LC 4 MATH 009A ted above MATH 009B 4 MATH 0046 Must take one (1) PHYS 1 nces, but not both PHYS 040A 4 PHYS 002A & 02LA PHYS 002B & 02LB PHYS 040C or PHYS 00C 4 PHYS 040C or PHYS 00C 4 PHYS 040C or PHYS 00C 4 GEO 111	or 20 Must take one (1) from the for 4 GEO 004 or 4 dance, music, theater) GEO 007 or 4 GEO 008 or 4 4 GEO 010 or 4 listed above GEO 012 4 Listed above GEO 012 4 Completion of the following BIOL 005A & 05LA/020 5/6 CHEM 001A/01LA 5 4 CHEM 001B/01LB 5 ociology CHEM 001C/01LC 5 4 MATH 009A 4 4 MATH 009B 4 4 MATH 009B 4 4 PHYS 040A 5 4 PHYS 040A 5 4 PHYS 002A & 02LA 5 4 PHYS 002B & 02LB 5 4 PHYS 040C or PHYS 002C and recommended for Geophysics of the ophysical of the ophysica	or 20 Must take one (1) from the following: 4 GEO 004 or 4 dance, music, theater) GEO 007 or 4 6EO 010 or 4 4 1 GEO 010 or 4 1 GEO 010 or 4 1 GEO 012 5/6 1 Completion of the following: BIOL 005A & 05LA/020 5/6 1 CHEM 001R/01LA 5 4 CHEM 001C/01LC 5 4 MATH 009A 4 4 MATH 009B 4 4 MATH 046 4 4 MATH 046 5 4 PHYS 040A 5 4 PHYS 040A 5 4 PHYS 002A & 02LA 5 4 PHYS 040C or PHYS 002C and 02LC is recommended for Geophysics electives. </td <td>or 20 Must take one (1) from the following: Three (3) class 4 GEO 004 or 4 GEO 136 dance, music, theater) GEO 007 or 4 GEO 137 GEO 008 or 4 GEO 162 4 4 GEO 010 or 4 GEO 162 4 GEO 010 or 4 ENSC 102 1 GEO 012 4 Three (3) at 6 GEO 012 5 GEO 102 6 GEO 012 5 GEO 1037, GEO 6 GEO 1101 4 GEO 1014, G 6 GEO 111 4 GEO 111</td> <td>or 20 Must take one (1) from the following: Three (3) classes choser 4 GEO 004 or 4 GEO 136 4 dance, music, theater) GEO 007 or 4 GEO 137 4 GEO 008 or 4 GEO 162 4 4 GEO 010 or 4 ENSC 102 4 1isted above GEO 012 4 Three (3) additional cl Completion of the following: GEO100, GEO101, GEO13 GEO136, GEO132 BIOL 005A & 05LA/020 5/6 GEO132, GEO136, GEO13 CHEM 001A/01LA 5 GEO12, GEO162, GEO169, GEO18 4 CHEM 001C/01LC 5 GEO162, GEO169, GEO18 4 MATH 009A 4 GEO101A, GEO101B, a 4 MATH 009B 4 GEO116, GEO118, GEO12 4 MATH 046 4 GEO151, GEO152, GEO162 4 MATH 046 4 GEO116, GEO184, GEO12 4 MATH 046 4 GEO116, GEO182, GEO125, GEO140 4 PHYS 040A 5 GEO151, GEO152, GEO140, GEO12 4 PHYS 002A & 02LA 5 GEO151, GEO12, GEO140, GEO12, GEO12</td>	or 20 Must take one (1) from the following: Three (3) class 4 GEO 004 or 4 GEO 136 dance, music, theater) GEO 007 or 4 GEO 137 GEO 008 or 4 GEO 162 4 4 GEO 010 or 4 GEO 162 4 GEO 010 or 4 ENSC 102 1 GEO 012 4 Three (3) at 6 GEO 012 5 GEO 102 6 GEO 012 5 GEO 1037, GEO 6 GEO 1101 4 GEO 1014, G 6 GEO 111 4 GEO 111	or 20 Must take one (1) from the following: Three (3) classes choser 4 GEO 004 or 4 GEO 136 4 dance, music, theater) GEO 007 or 4 GEO 137 4 GEO 008 or 4 GEO 162 4 4 GEO 010 or 4 ENSC 102 4 1isted above GEO 012 4 Three (3) additional cl Completion of the following: GEO100, GEO101, GEO13 GEO136, GEO132 BIOL 005A & 05LA/020 5/6 GEO132, GEO136, GEO13 CHEM 001A/01LA 5 GEO12, GEO162, GEO169, GEO18 4 CHEM 001C/01LC 5 GEO162, GEO169, GEO18 4 MATH 009A 4 GEO101A, GEO101B, a 4 MATH 009B 4 GEO116, GEO118, GEO12 4 MATH 046 4 GEO151, GEO152, GEO162 4 MATH 046 4 GEO116, GEO184, GEO12 4 MATH 046 4 GEO116, GEO182, GEO125, GEO140 4 PHYS 040A 5 GEO151, GEO152, GEO140, GEO12 4 PHYS 002A & 02LA 5 GEO151, GEO12, GEO140, GEO12, GEO12	