EARTH SCIENCES MAJOR - B.S. Degree STUDENT NAME/SID: **FALL 2017 & 2018 CATALOGS EXPECTED GRADUATION DATE:** Must pass all GEO courses in the major and prerequisite to courses in the major with at least "C-" before advancing in the sequence. **BREADTH REOUIREMENTS: Breadth Course Offerings** ENGLISH (12 units) - Grade of "C" or better is required EARTH SCIENCES Core Requirements CLIMATE CHANGE CONCENTRATION Course Name Units Grade Lower Division 48-53 units Upper-Division Coursework 32-35 units ENGL001A ENGL001B 4 +5 Additional Lower Division Units ENGL 001C Course Name Units Grade Course Name Units Grade 4 GEO 001 GEO 160 **HUMANITIES (12 units)** 4 One (1) course from: World History 10, 15, or 20 GEO 002 or 009 or 011 4 GEO 161 GEO 003/BIOL 010 Three (3) classes chosen from the following: One (1) course in: fine arts (art, art history, creative writing, dance, music, theater) Must take one (1) from the following: **GEO 136** literature, philosophy, religious studies **GEO 137** GEO 004 or 4 GEO 007 or 4 GEO 162 4 One (1) additional 4-unit course from the subjects listed above ENSC 102 GEO 008 or 4 4 GEO 010 or Three (3) additional classes chosen from: 4 GEO 100 **SOCIAL SCIENCES (12 units)** 4 GEO 012 One (1) course in: economics, political science GEO 101 5 BIOL 005A & 05LA/020 5/6 5 CHEM 001A/01LA 5 GEO 116 One (1) course in: anthropology, psychology, sociology CHEM 001B/01LB 5 GEO 118 5 5 CHEM 001C/01LC 5 GEO 122 One (1) additional 4-unit course from courses listed above 4 MATH 009A GEO 132 4 MATH 009B 4 GEO 136 4 **ETHNIC STUDIES (4 units)** MATH 046 **GEO 137** 4 4 May count towards addt'l humanities or addt'l social sciences, but not both Must take one (1) PHYS Series from below GEO 140 PHYS 040A 5 GEO 144 4 **BIOLOGICAL SCIENCES (4 units)** PHYS 040B 5 GEO 145 4 GEO 147 4 4 **MATHEMATICS (4 units)** PHYS 002A & 02LA GEO 151 4 5 4 4 PHYS 002B & 02LB GEO 152/BIOL 152 **PHYSICAL SCIENCE (4 units)** PHYS 040C or PHYS 002C and 02LC is GEO 162 4 recommended for Geophysics electives. For GEO 169 4 Geochemistry electives, take CHEM 001C & 01LC. Two (2) additional 4-unit courses from math, biological sciences or physical science STAT 100A 5 STAT 100B 5 4 **Earth Sciences Core Requirements** UCRIVERSITY OF CALIFORNIA Semic Adv Upper Division 13 units Refer to your university catalog year and





degree audit for specific course listings and all **GEO 111** 4 major requirements. **GEO 115** 5 GEO 157 4

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EARTH SCIENCES MAJOR - B.S. Degree STUDENT NAME/SID: **FALL 2017 & 2018 CATALOGS EXPECTED GRADUATION DATE:** Must pass all GEO courses in the major and prerequisite to courses in the major with at least "C-" before advancing in the sequence. **BREADTH REOUIREMENTS: Breadth Course Offerings** ENGLISH (12 units) - Grade of "C" or better is required **EARTH SCIENCES** Core Requirements **GEOPHYSICS CONCENTRATION** Course Name Units Grade Lower Division 48-53 units Upper-Division Coursework 33 -37 units ENGL001A ENGL001B 4 +5 Additional Lower Division Units ENGL 001C Course Name Grade Course Name Units Grade 4 Units GEO 140 **HUMANITIES (12 units)** GEO 001 4 One (1) course from: World History 10, 15, or 20 GEO 002 or 009 or 011 4 GEO 145 GEO 003/BIOL 010 Three (3) classes chosen from the following: One (1) course in: fine arts (art, art history, creative writing, dance, music, theater), Must take one (1) from the following: **GEO 116** literature, philosophy, religious studies GEO 004 or GEO 118 5 GEO 007 or 4 **GEO 144** 4 One (1) additional 4-unit course from the subjects listed above GEO 147 GEO 008 or 4 4 Three (3) additional classes chosen from: GEO 010 or 4 GEO 100 **SOCIAL SCIENCES (12 units)** 4 **GEO 012** 5 One (1) course in: economics, political science BIOL 005A & 05LA/020 5/6 GEO 101 5 CHEM 001A/01LA 5 GEO 116 5 One (1) course in: anthropology, psychology, sociology CHEM 001B/01LB 4 **GEO 118** 5 MATH 009A 4 **GEO 122** 4 One (1) additional 4-unit course from courses listed above MATH 009B 4 **GEO 132** 4 MATH 046 GEO 136 4 Must take one (1) PHYS Series from below: **GEO 137 ETHNIC STUDIES (4 units)** 4 May count towards addt'l humanities or addt'l social sciences, but not both 4 PHYS 040A 5 **GEO 144** 5 PHYS 040B **GEO 147** 4 **BIOLOGICAL SCIENCES (4 units)** GEO 151 PHYS 040C 5 4 GEO 152/ BIOL 152 4 or **MATHEMATICS (4 units)** PHYS 002A & 02LA GEO 160 4 5 4 PHYS 002B & 02LB 5 GEO 161 4 PHYS 002C & 02LC 5 GEO 162 PHYSICAL SCIENCE (4 units) 4 **GEO 169** 4 Two (2) additional 4-unit courses from math, biological sciences or physical science **Earth Sciences Core** STAT 100A 5 STAT 100B **Upper Division 13 units** 5 4 GEO 111 5 GEO 115 Students interested in pursuing professional UC RIVERSITY OF CALIFORNIA licensure through the Californa Geologist in GEO 157 Training (GIT) exam are advisded to take the Refer to your university catalog year and Geology major degree audit for specific course listings and all major requirements.

STUDENT NAME/SID:			EARTH SCIENCES MAJOR - B.S. Degree						
EXPECTED GRADUATION DATE:			FALL 2017 & 2018 CATALOGS Must pass all GEO courses in the major and prerequisite to courses in the major with at least "C-" before advancing in the sequence.						
BREADTH REQUIREMENTS: Breadth Co									
ENGLISH (12 units) - Grade of "C" or bet									
Course Name				EARTH SCIENCES Core Requirements			GEOSYSTEMS CONCENTRATION		
ENGL001A	4		Lower Division 48-53 units			Upper-Division Coursework 34-40 units			
ENGL001B	4								
ENGL 001C	4		Course Name	Units	Grade	Course Name	Units	Grade	
HUMANITIES (12 units)			GEO 001	4		GEO 101	5		
One (1) course from: World History 10, 15, or 20			GEO 002 or 009 or 011	4		GEO 118	5		
	4		GEO 003/BIOL 010	4		Three (3) classes chosen from	n the fol	llowing:	
One (1) course in: fine arts (art, art history, creative writing, dance, music, theater)			Must take one (1) from	the foll	owing:	GEO 100	5		
literature, philosophy, religious studies			GEO 004 or	4		GEO 116	5		
	4		GEO 007 or	4		GEO 122	5		
One (1) additional 4-unit course from the subje	ects listed a	bove	GEO 008 or	4		GEO 132	4		
			GEO 010 or	4		GEO 151 or GEO/BIOL 152	4		
SOCIAL SCIENCES (12 units)			GEO 012	4		GEO 152	4		
One (1) course in: economics, political science			BIOL 005A & 05LA/020	5/6		GEO 162	4		
4			CHEM 001A/01LA	5		Three (3) additional classes	chosen	from:	
One (1) course in: anthropology, psychology, sociology			CHEM 001B/01LB	5		GEO 100	5		
= = = = = = = = = = = = = = = = = = = =	4		CHEM 001C/01LC	5		GEO 116	5		
One (1) additional 4-unit course from courses listed above			MATH 009A	4		GEO 122	5		
	4		MATH 009B	4		GEO 132	4		
ETHNIC STUDIES (4 units)			MATH 046	4		GEO 136	4		
May count towards addt'l humanities or addt'l social sciences, but not both			Must take one (1) PHYS Series from below:		GEO 137	4			
	4		PHYS 040A	5		GEO 138	4		
BIOLOGICAL SCIENCES (4 un	its)		PHYS 040B	5		GEO 140	4		
	4		or			GEO 144	4		
MATHEMATICS (4 units)			PHYS 002A & 02LA	5		GEO 145	4		
	4		PHYS 002B & 02LB	5		GEO 147	4		
PHYSICAL SCIENCE (4 units)			PHYS 040C or PHYS 002C and 02LC is recommended for Geophysics electives. For Geochemistry electives, take CHEM 001C & 01LC.			GEO 151 or GEO/BIOL 152	4		
4						GEO 160	4		
Two (2) additional 4-unit courses from math, biological sciences or physical science						GEO 161	4		
4						GEO 162	4		
	4					GEO 169	4		
	mic	Adv	Earth Sciences Core Requirements			STAT 100A	5		
UNIVERSITY OF CALIFORNIA	odemic Advis		Upper Division 13 units			STAT 100B	5		
			GEO 111	4		Refer to your university ca			
UCRIVERSITY OF CALIFORNIA	20	COMO 3	GEO 115	5		degree audit for specific course listings and			
	CAL	10,	GEO 157	4		all major require	ments.		