GEOENVIRONMENTAL STUDIES MAJOR – B.S.

Geography-Earth Science (39+ Cr)			General Education Requirements (45 CR)		
eoenvironemtnal Core (12 Cr) Technique Electives (6+ Cr)					
ESS 355 Meteorology (if ESS111, see †)		GEO 202 GIS I: Intro to GIS	Courses filled-in below are DIRECTED general education		
ESS 210 Phy. Geology (If ESS110, see ‡)		GEO 339 Remote Sensing	classes that MUST be taken for the major. All other		
GEO 224 Soils		GEO 352 Cartography	general education courses can be chosen from the list		
GEO 226 Hydrology		GEO 363 GIS II: Intermediate GIS	on the back of this page.		
GEO 391 Geography Seminar		GEO 420 GIS III: Advanced GIS			
Geography Electives (6 Cr)		GEO 425 Image Processing	Foundations ^a		
GEO 230 Economic Geography		GEO 440 Field Techniques	(15 cr total)	Cr	Course(s)
GEO 244 Land Use		GEO 441 Quantitative Methods	U	3	
GEO 305 Geography of Europe		Internship (3+ cr)	W	3	
GEO 308 Geography of Latin America		GEO 360 Internship (2.0 GPA, Junior status)	0	3	
GEO 310 Transportation Geography			Н	3	
GEO 313 Geography of South-Southeast Asia		Allied Sciences (10+Cr)	Q	3	MAT 117
GEO 314 Industrial Geography		(R) Recommended courses	^a One course in each area are required.		
GEO 317 Geography of East Asia		Biology (6-7 Cr)			
GEO 320 Historical Geography		BIO 142 Intro to Ecology	Interconnections		
GEO 322 Urban Geography		(R) BIO 208 Field Biology	(9 cr total)	Cr	Course(s)
GEO 415 Regional Geographic Studies		BIO 210 Field Zoology (162 req)	D ^b	3+	
GEO 450 Geography-Geology Field Studies*		(R) BIO 242 Ecology (162 req)	G ^b	3+	
Geoenvironmental Complex Systems (9 Cr)		BIO 442 Aquatic Ecology (162 req)	F	е	
ESS 404 Applied Meteorology/Climatology		(R) BIO 448 Field Botany and Plant Tax (162 req)	^b At least 1 course each from D and G.		
ESS 413 Mineral and Rock Resources		Chemistry/Physics (4 Cr)			
ESS 442 Environmental Geology		CHM 121 Chemical Bonding	Citizenship ^c		
ESS 490 Selected Topics		CHM 125 Lab IB Stoichiometry and Reactions (1)	(6 cr total)	Cr	Course(s)
GEO 301 Introduction to Biogeography		CHM 122 Chemical Dynamics	S	е	
GEO 306 Geomorphology		CHM 126 Lab IIB Equilibrium and Instruments (1)	E	е	
GEO 402 Medical Geography		(R) PHY 121 Intro Physics (3) + 123 Lab (1)	R	е	
GEO 404 Hydrogeology			^c 1 course from two different categories.		
GEO 421 Environmental Law					
GEO 444 Environmental Land Use Planning			Natural World		
GEO 446 Water Resource Management			(9cr total)	Cr	Course(s)
GEO 450 Geography-Geology Field Studies*			N^d	6+	BIO 162 and CHM 105
GEO 490 Selected Topics			Т	е	CSC 103 or 180
Geoenvironmental Elective (3+ Cr)	•		d BIO 162 and CHM 105 req	uired. E	ither CSC 103 or 180 also
ESS 212 Historical Geology			required.		
ESS 214 Geology of National Parks					
ESS 220 Oceanography			Creativity		
GEO 203 Climatology			(6 cr total)	Cr	Course
GEO 306 Geomorphology			L ^e	3	
GEO 397 Intro to Research			A	е	
GEO 450 Geography-Geology Field Studies*		*Only 3cr for category, 6cr total for major.	С	е	
GEO 490 Selected Topics		† If ESS111 taken, sub GEO203 or ESS404.	^e At least 1 L course.		
Marine Science Consortium Course		‡ If ESS110 taken, sub ESS212, GEO306 or ESS214.			