IAME:	
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Geography-Earth Science (45+Cr)				General Education Requirements (45 CR)		
Geoenvironemtnal Core (15 Cr)		Geoenvironmental Complex Systems (12+ Cr)				
ESS 111 Intro to Weather and Climate		ESS 404 Applied Human-Climate Interaction		Courses filled-in below are DIRECTED general education		
ESS 110 Intro to Geology		ESS 410 Sed Geology & Paleoenvironments		classes that MUST be taken for the major. All other		
Geo 202 GIS I: Intro to GIS		ESS 413 Mineral and Rock Resources		general education courses can be chosen from the list		
GEO 226 Hydrology		ESS 442 Environmental Geology		on the back of this page.		
GEO 391 Geography Seminar		ESS 452 Coastal Env Oceanography				
		ESS 490 Selected Topics		Foundations ^a		
GEO/ESS Electives and Complex Systems (total 27+ cr)		GEO 301 Introduction to Biogeography		(15 cr total)	Cr	Course(s)
Geography Electives (3+ Cr)		GEO 306 Geomorphology		U	3	
GEO 244 Land Use		GEO 402 Medical Geography		W	3	
GEO 305 Geography of Europe		GEO 404 Hydrogeology		0	3	
GEO 308 Geography of Latin America		GEO 421 Environmental Law		Н	3	
GEO 310 Transportation Geography		GEO 424 Soils		Q	3	MAT 117
GEO 313 Geography of South-Southeast Asia		GEO 427 Sustainability		^a One course in each area are required.		
GEO 314 Industrial Geography		GEO 444 Environmental Land Use Planning				
GEO 317 Geography of East Asia		GEO 446 Water Resource Management		Interconnections		
GEO 320 Historical Geography		GEO 450 Geography-Geology Field Studies*		(9 cr total)	Cr	Course(s)
GEO 322 Urban Geography		GEO 490 Selected Topics		Dp	3+	
GEO 329 Economic Geography				G ^b	3+	
GEO 415 Geography of Africa		Electives from any category above (6+ Cr)		F	е	
GEO 450 Geography-Geology Field Studies*				^b At least 1 course each from D and G.		
Geoenvironmental Electives (3+ Cr)				Citizenship ^c		
ESS 212 Historical Geology		Internship (3+ cr)		(6 cr total)	Cr	Course(s)
ESS 214 Geology of National Parks		GEO 360 Internship (2.0 GPA, Junior status)		S	е	ESS 108
ESS 220 Oceanography				Е	е	
GEO 203 Climate, Energy, and Sustainability		Allied Sciences (10+Cr)		R	е	GEO 140
GEO 306 Geomorphology		(R) Recommended courses		^c 1 course from two different categories.		
GEO 397 Intro to Research		Biology (6-7 Cr)			_	
GEO 450 Geography-Geology Field Studies*		BIO 142 Intro to Ecology		Natural World		
GEO 490 Selected Topics		(R) BIO 208 Field Biology		(9cr total)	Cr	Course(s)
Marine Science Consortium Course		BIO 210 Field Zoology (162 req)		N ^d	6+	BIO 162 and CHM 105
		(R) BIO 242 Ecology (<i>162 req</i>)		Т	е	CSC 103 or 104
Technique Electives (3+ Cr)		BIO 442 Aquatic Ecology (162 reg)		^d BIO 162 and CHM 105 req	uired. Eit	her CSC 103 or 104 also
GEO 339 Remote Sensing		(R) BIO 448 Field Botany and Plant Tax (162 reg)		required.		
GEO 352 Cartography		Chemistry/Physics (4 Cr)				
GEO 363 GIS II: Intermediate GIS		CHM 121 Chemical Bonding		Creativity		
GEO 420 GIS III: Advanced GIS		CHM 125 Lab IB Stoichiometry and Reactions (1)		(6 cr total)	Cr	Course
GEO 425 Image Processing		CHM 122 Chemical Dynamics		Le	3	
GEO 440 Field Techniques		CHM 126 Lab IIB Equilibrium and Instruments (1)		Α	е	
GEO 441 Quantitative Methods		(R) PHY 121 Intro Physics (3) + 123 Lab (1)		С	е	
GEO 463 Applied Geophysical Imaging				^e At least 1 L course.		
		*Maximum 3cr for category, 6cr total for major.				