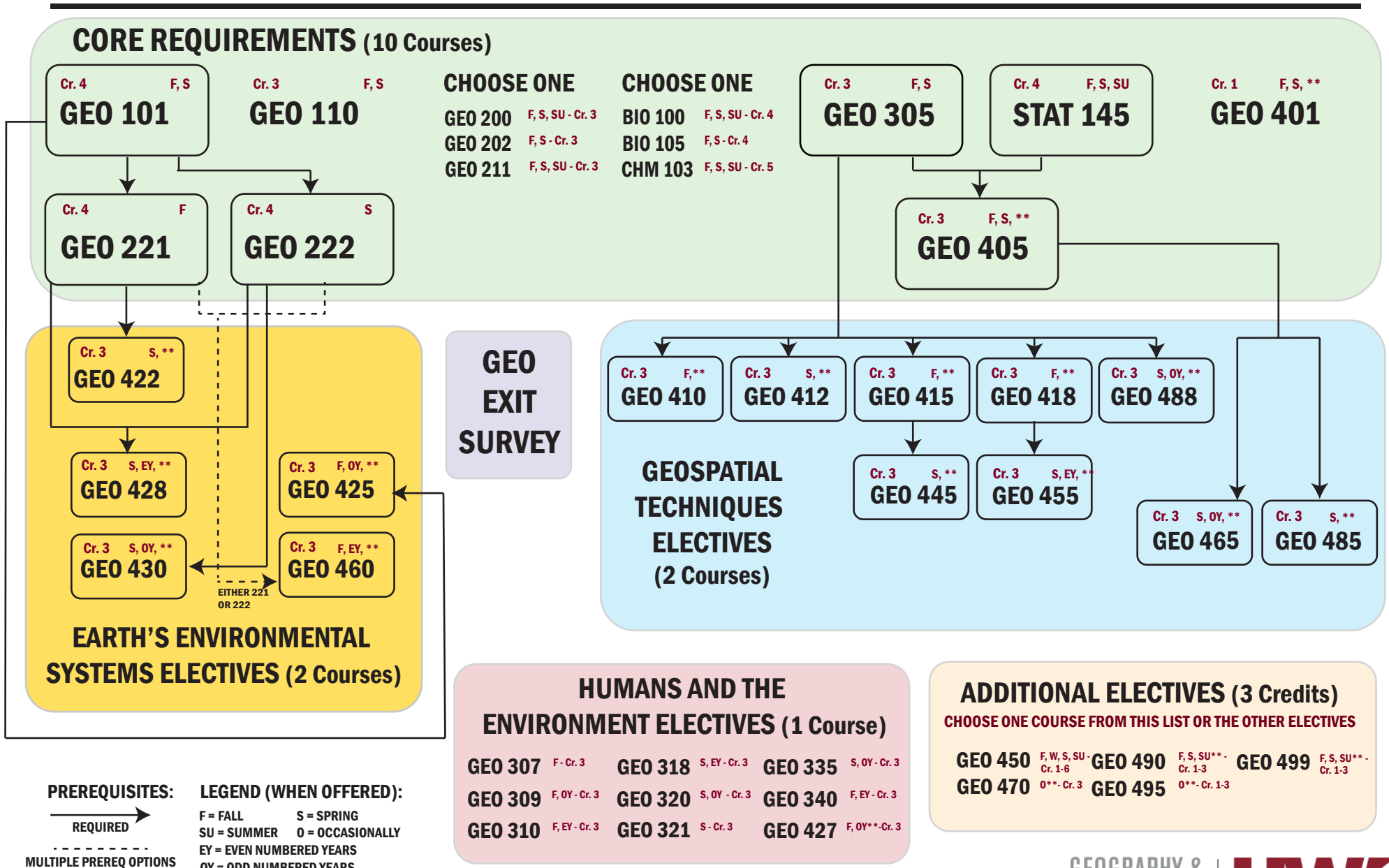


GEOGRAPHY MAJOR: ENVIRONMENTAL SCIENCE CONCENTRATION (B.S./B.A.)



PREREQUISITES:

LEGEND (WHEN OFFERED):



F = FALL S = SPRING
 SU = SUMMER O = OCCASIONALLY
 EY = EVEN NUMBERED YEARS
 OY = ODD NUMBERED YEARS
 ** = JR/SR STANDING

 MULTIPLE PREREQ OPTIONS

Geography Major: Environmental Science Concentration (B.S./B.A.)**51 - 52 CREDITS****Core Requirements:**

Name	Credits	Description	Prerequisite	Offered
GEO 101	4	Earth Environments	-	F, S
GEO 110	3	World Cultural Regions	-	F, S
GEO 200 OR GEO 202 OR GEO 211	3 3 3	Conservation of Global Environments Contemporary Global Issues Global Climate Change	- - -	F, S, Su F, S F, S, Su
GEO 221	4	Weather and Climate	GEO 101	F
GEO 222	4	Earth Surface Processes and Landforms	GEO 101	S
GEO 305	3	Geographic Information Systems and Science I	-	F, S
STAT 145	4	Elementary Statistics	-	F, S, Su
GEO 401	1	Capstone Seminar in Geography and Environmental Science	Senior Standing	F, S
GEO 405	3	Geographic Information System and Science II	GEO 305; STAT 145	F, S
² BIO 100 OR ^{2, 3} BIO 105 OR CHM 103	4 4 5	Biology for the Informed Citizen General Biology General Chemistry I	- - "C" or better in MTH 150 (for CHM103)	F, S, Su F, S F, S, Su

Earth's Environmental Systems Electives (Choose 2 courses)

Name	Credits	Description	Prerequisite	Offered
GEO 422	3	Meteorology	GEO 221	S
GEO 425	3	Biogeography	GEO 101	F-Odd
GEO 428	3	Past Environmental Change	GEO 221 and GEO 222	S-Even
GEO 430	3	River Systems	GEO 222	S-Odd
GEO 460	3	Environmental Hazards	GEO 221 or GEO 222	F-Even

Geospatial Techniques Electives (Choose 2 courses)

Name	Credits	Description	Prerequisite	Offered
GEO 410	3	Geospatial Field Methods	GEO 305	F
GEO 412	3	Geospatial Applications of Unmanned Aerial Systems	GEO 305	S
GEO 415	3	Remote Sensing of the Environment I	GEO 305	F
GEO 418	3	Map Design and Geovisualization	GEO 305	F
GEO 445	3	Remote Sensing of the Environment II	GEO 415	S
GEO 455	3	Web Mapping	GEO 418	S-Even
GEO 465	3	Geospatial Automation	GEO 405	S-Odd
GEO 485	3	Geographic Information System and Science III	GEO 405	S
GEO 488	3	Quantitative Methods in Geography	GEO 305; STAT 145	S-Odd

Humans and the Environment Electives (Choose 1 course)

Name	Credits	Description	Prerequisite	Offered
GEO 307	3	Power, Space, and Global Change	-	F
GEO 309	3	Cities: Past, Present, and Future	-	F-Odd
GEO 310	3	Transportation Equity and Sustainable Communities	-	F-Even
GEO 318	3	The Geography of Latin America and the Caribbean	-	S-Even
GEO 320	3	Energy, the Environment, and Sustainability	-	S-Odd
GEO 321	3	Sustainable Development and Conservation	-	S
GEO 335	3	Islamic Asia: Cradle of Civilizations, Geographies of Conflict	-	S-Odd
GEO 340	3	Polar Environments	-	F-Even
GEO 427	3	Sustainable Water Resource Management	-	F-Odd

Additional Electives (Choose 3 credits from an electives category above or from the following)

Name	Credits	Description	Prerequisite	Offered
¹ GEO 450	1-6	Internship in Geography and Environmental Science	-	F, W, S, Su
¹ GEO 470	1-3	Special Topics in Geography/Environmental Science	-	O
¹ GEO 490	1-3	Independent Study	-	F, W, S, Su
¹ GEO 495	1-3	Seminar in Geography/Environmental Science	-	O
¹ GEO 499	1-3	Research in Geography and Environmental Science	-	F, W, S, Su

¹ A maximum of 3 credits of GEO 450, GEO 470, GEO 490, GEO 495, and/or GEO 499 may apply to the major.² Students cannot earn credit in both BIO 103 and BIO 105³ Students with credit in BIO 103 or BIO 105 cannot earn credit in BIO 100.

* During the student's last semester of enrollment, completion of the Department of Geography and Environmental Science exit survey is required to graduate.

* Offered Codes: F = Fall; W = Winter; S = Spring; Su = Summer; O = Occasionally; F-Odd = Fall, Odd Years; F-Even = Fall, Even Years; S-Odd = Spring, Odd Years; S-Even = Spring, Even Years