

**Bachelor of Science**

General Education	41 Credits
Quantitative requirement (in addition to General Education)	3 - 4 Credits
Scientific Literacy requirement (in addition to General Education)	3 Credits
Major Requirements	53 Credits
Electives	18 - 22 Credits
<b>Total Credits:</b>	<b>120</b>

**Bachelor of Arts**

General Education	41 Credits
Foreign Language Requirements (intermediate level – through 232)	0 -14 Credits
Philosophy Course (in addition to General Education)	3 Credits
Major Requirements	53 Credits
Electives	18 - 22 Credits
<b>Total Credits:</b>	<b>120</b>

Core Classes

Course	Description	Prerequisite	Credit Hours	Taken	In Progress
ISAT 251 or Math220*	Statistics		3		
GEOG 210*	Physical Geography		4		
GEOG 215*	Cartography & GIS		3		
GEOG 216*	Earth Observation & GPS		3		
GEOG 230	Spatial Thinking and Problem Solving	GEOG 215, 216, & Statistics	3		
GEOG 280*	Human Geography		3		
GEOG 290*	Human-Environment Interactions	GEOG 210 & 280	3		
GEOG 305	History and Philosophy of Geography	Fall Only, GEOG 210 & 280	3		
GEOG 390	Practicing Geographic Science	Junior Standing	1		

**\*Must earn a C or better in courses after Fall 2014.** All course for the major must be taken on a graded basis. Total Credits:

Advanced Sequence

Option 1: Independent Study

Course	Description	Prerequisite	Credit Hours	Taken	In Progress
GEOG 4**					
GEOG 4**					

If you are interested in this option, please speak to your advisor as soon as possible to begin appropriately planning. Total Credits:

Option 2: Independent Study and/or additional 400 level courses

Course	Description	Prerequisite	Credit Hours	Taken	In Progress
GEOG 4**			3		
GEOG 4**			<b>3</b>		

\*\* Consult with Advisor on These 400 level class choices Total Credits:

Option 3: Honors Option

Course	Description	Prerequisite	Credit Hours	Taken	In Progress
GEOG 499	Honors in Geography (Thesis)		6		

If you are interested in this option, please speak to your advisor as soon as possible to begin appropriately planning. Total Credits:

AGIS Concentration Requirements

Course	Description	Prerequisite	Credit Hours	Taken	In Progress
GEOG 365	Cartography and Geospatial Visualization	Only Fall Offer	3		
GEOG 366	Introduction to GIS	Only Fall Offer	3		
GEOG 385	Principles of Remote Sensing	Only Fall Offer	<b>3</b>		

Fall 2015

GIS Electives (Choose 3)

Course	Description	Prerequisite	Credit Hours	Taken	In Progress
GEOG 406	Forest Inventory: A Geospatial Approach	GEOG 230 or permission	3		
GEOG 465	Topics in GIS (May Repeat Twice)	GEOG 366	3		
GEOG 466	GIS and Geographic Databases	GEOG 366	4		
GEOG 467	GIS Project Management	GEOG 366	3		
GEOG 468	Internet Geographic Information Systems	GEOG 366	3		
GEOG 469	Applications of GIS (May Repeat Twice)	GEOG 366	3		
GEOG 485	Processing Remotely Sensed Data	GEOG 385	3		
GEOG 486	High Spatial Resolution Remotely Sensed Data	GEOG 385	3		
GEOG 490	Senior Research	GEOG 390	3		
GEOG 491	International Studies		3		
GEOG 495	Internship in Geography		3		
GEOG 497	Independent Study		3		

Total Credits:

ECSD Electives (Choose 6, at least 1 must be a senior seminar and 1 maximum of non-geography courses, 2 with special permission)

Course	Description	Prerequisite	Credit Hours	Taken	In Progress
1			3		
2			3		
3			3		
4			3		
5			3		
6			3		

Total Credits:

Courses	Description	Credit	Course	Description (prerequisites in parenthesis)	Credit
GEOG 200	Geography: The Global Dimension		GEOG 343	Wildlife Management	3
GEOG 300	Population Geography	3	GEOG 344	Economic Geography and Development Issues	3
GEOG/ HUMN 301	Introduction to Natural Disasters Response	3	GEOG 345	Geography of Poverty	3
GEOL 310	Environmental Issues	1-4 rep.	GEOG 348	Indigenous Geographies Prerequisite: GEOG 290, C or better	3
GEOG 311	Endangered Environments	3	GEOG 350	Topics in Geography	1-3 rep.
GEOG 315	Field Studies in Geography	3	GEOG/ HUMN 360	GIS for Humanitarian Assistance	3
GEOG 320	Human Dimensions of Global Change Prerequisite: GEOG 290, C or better	3	GEOG 375	Political Geography	3
GEOG 322	Agricultural Systems Prerequisite: GEOG 290, C or better	3	GEOG 376	Urban Geography	3
GEOG 323	The Geography of Human Genetics, Infectious Diseases and Diet	3	GEOG 380	Cultural Geography	3
GEOG 325	Environmental Ethics	3	GEOG/ BIO 402	Forest Ecology Prerequisite: BIO 124	3
GEOG 327	Climatology Prerequisite: GEOG 210, C or better	3	GEOG 406	Forest Inventory: A Geospatial Approach Prerequisite: GEOG 230, C or better	3
GEOG 329	Global Climate Change Prerequisite: GEOG 210, C or better	3	GEOG 410	Geography & Film Prerequisite: GEOG 290, C or better <b>(SS)</b>	3
GEOG 331	Geography of Virginia	3	GEOG 415	Environment, Landscape and Culture (GEOG 290) <b>(SS)</b>	3
GEOG 332	Geography of Europe	3	ISAT 425	Environmental Hydrology Prerequisite: GEOG 210, C or better	3
GEOG 333	Geography of Russia and the Former Soviet Union	3	GEOG 427	Water Resources of the World Prerequisite: GEOG 210, C or better <b>(SS)</b>	3
GEOG 334	Geography of East and Southeast Asia	3	GEOG/ ISAT 429	Sustainability: An Ecological Perspective Prerequisite: GEOG 290, C or better <b>(SS)</b>	3
GEOG 335	Geography of Africa Prerequisite: GEOG 290, C or better	3	GEOG 440	Global Biodiversity Prerequisite: GEOG 340 and GEOG 290, C or better <b>(SS)</b>	3
GEOG 336	Environment Hazards: A Focus on Southeast Asia Prerequisite: GEOG 210, C or better		GEOG 470	Senior Seminar <b>(SS)</b>	3
GEOG 337	Geography of Latin America	3	ISAT 473	Agriculture and Farm Internship	3
GEOG 338	Geography of the Philippine Islands	3	GEOG 476	Sustainable Cities Seminar Prerequisite: GEOG 290, C or better <b>(SS)</b>	3
GEOG 339	Geography of the Caribbean	3	GEOG 490	Senior Research	3
GEOG 340	Biogeography Prerequisite: GEOG 210, C or better	3	GEOG 491	International Studies	3
GEOG 341	Wilderness Techniques Prerequisite: Permission of Instructor	3	GEOG 495	Internship in Geography	3
GEOG 342	Management and Protection of Natural Resources	3	GEOG 497	Independent Study	3

**(SS) = Senior Seminar**

Fall 2015