

Department of Geography, Geology, and the Environment - Curriculum Guide

Bachelor of Science in Geography – Track in Applied Geographic Technology

LIBERAL STUDIES REQUIREMENTS (48-49 credits) See Liberal Studies Guide for Goal and Enrichment choices				
✓	Course	Title	Cr	Gr
Basic Requirements (12 credits)				
	ENGL 101	College Writing I	3	
	ENGL 103	College Writing II*	3	
	ENGL 210	Interpreting Literature	3	
	COMM 200	Public Speaking	3	
The Arts (3 credits)				
			3	
Global Community (9 credits)				
		US Course	3	
		Non-US Course ¹	3	
		Non-US Course	3	
Human Institutions & Interpersonal Relationships (3 credits)				
			3	
Science, Technology and Mathematics (9-10 credits)				
		Science ²	3	
		Science	3	
		Lab	0-1	
	MATH	Math 113 or higher	3	
Challenges of the Modern Age (3 credits)				
			3	
Enrichment—Select 1 course from 3 of the following (9 credits)				
		The Arts	3	
		Global Community	3	
		Human Institutions & Interpersonal Relationships	3	
		Science, Technology and Mathematics	3	

* Indicates this course may have a prerequisite.

ELECTIVES (16-17 credits) (Major Electives, Other Liberal Studies Electives, Free Electives)				

MAJOR REQUIREMENTS (55 credits)				
✓	Course	Title	Cr	Gr
Basic Core (15 credits)				
	G&ES 135	Environmental Problems	3	
	G&ES 150	The Natural Environment	3	
	G&ES 235	Conservation*	3	
	G&ES/POL 324	Environmental Law & Policy	3	
	G&ES 489	Field Studies*	3	
Techniques Core (10 credits)				
	G&ES 115	Map Reading and Interpretation	1	
	G&ES 220	General Methods of Field Work*	3	
	G&ES 315	Cartography I*	3	
	G&ES 325	Intro to Geographic Information Systems*	3	
Applied Geographic Technology Track—see below (30 credits)				

APPLIED GEOGRAPHIC TECHNOLOGY TRACK REQUIREMENTS (30 credits)				
✓	Course	Title	Cr	Gr
Basic Core (12 credits)				
	G&ES 100	Discover Geography	3	
	G&ES 215	Rural and Urban Planning	3	
	G&ES 302	Cultural Geography	3	
	G&ES 331	Economic Geography	3	
Techniques Core (3 credits)				
	G&ES 425	Advanced Geographic Information Systems*	3	
Techniques Elective – pick two from group below (6 credits)				
	G&ES 410	Remote Sensing	3	
	G&ES 415	Cartography II*	3	
	PREE 412	Open Space Planning	3	
Regional Elective – pick one from group below (3 credits)				
	G&ES 201	Latin America	3	
	G&ES 202	US & Canada	3	
	G&ES 204	Post Soviet Union	3	
	G&ES 303	Asia	3	
	G&ES 308	Europe	3	
	G&ES 309	Africa	3	
Technical Communication (3 credits)				
	ENGL 205	Technical and Scientific Writing*	3	
Geography Elective (3 credits) – must be at 200 level or above				
	G&ES		3	

¹ Each non-US course must be from a different department.

² Each of the first two goal courses must be from a different department. Students must also complete a laboratory requirement. The laboratory experience can be taken as a goal or Enrichment courses in Biology, Chemistry, Physics, or Environmental Geosciences.