

UNIVERSITY STUDIES - BS, GEOGRAPHY CONCENTRATION

Program Requirements

Code	Title	Semester Credit Hours
GEOG 201	Introduction to Human Geography	3
GEOG 202	Geography of the Global Village	3
GEOG 203	Planet Earth	3
Select one of the following:		3
GEOG 232	Cartography and Visualization	
GEOG 304	Economic Geography	
GEOG 306	Introduction to Urban Geography	
GEOG 309	Geography of Energy	
GEOG 311	Cultural Geography	
GEOG 312	Data Analysis in Geography	
GEOG 324	Global Climatic Regions	
GEOG 330	Resources and the Environment	
GEOG 331	Geomorphology	
GEOG 335	Pattern and Process in Biogeography	
GEOG 352/ GEOL 352	GNSS in the Geosciences	
GEOG 355	Concepts in Geographic Education	
GEOG 360	Natural Hazards	
GEOG 361	Remote Sensing in Geosciences	
GEOG 370/ MARS 370	Coastal Processes	
GEOG 380	Workshop in Environmental Studies	
GEOG 390	Principles of Geographic Information Systems	
GEOG 398	Interpretation of Aerial Photographs	
GEOG 400	Arid Lands Geomorphology	
GEOG 401	Political Geography	
GEOG 404	Spatial Thinking, Perception and Behavior	
GEOG 406	Geographic Perspectives on Contemporary Urban Issues	
GEOG 420	Geography of Terrorism	
GEOG 430	Environmental Justice	
GEOG 434	Hydrology and Environment	
GEOG 435	Principles of Plant Geography	
GEOG 440	History and Nature of Geography	
GEOG 442/ GEOS 442	Past Climates	
GEOG 450	Field Geography	
GEOG 462/ ECCB 406	Advanced GIS Analysis for Natural Resources Management	
GEOG 467	Dynamic Modeling of Earth and Environmental Systems	
GEOG 475	Advanced Topics in GIS (Geographic Information Systems)	
GEOG 476	GIS Practicum	
GEOG 485	Directed Studies	
GEOG 489	Special Topics in...	
GEOG 491	Research	
Select two of the following:		6
GEOG 400	Arid Lands Geomorphology	
GEOG 401	Political Geography	
GEOG 404	Spatial Thinking, Perception and Behavior	
GEOG 406	Geographic Perspectives on Contemporary Urban Issues	
GEOG 420	Geography of Terrorism	
GEOG 430	Environmental Justice	
GEOG 434	Hydrology and Environment	
GEOG 435	Principles of Plant Geography	
GEOG 440	History and Nature of Geography	
GEOG 442/ GEOS 442	Past Climates	
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GEOG 462/ ECCB 406	Advanced GIS Analysis for Natural Resources Management	
GEOG 467	Dynamic Modeling of Earth and Environmental Systems	
GEOG 475	Advanced Topics in GIS (Geographic Information Systems)	
GEOG 476	GIS Practicum	
GEOG 485	Directed Studies	
GEOG 489	Special Topics in...	
GEOG 491	Research	
Select two of the following:		6
GEOG 301	Geography of the United States ¹	
GEOG 304	Economic Geography	
GEOG 305	Geography of Texas ¹	
GEOG 306	Introduction to Urban Geography	
GEOG 309	Geography of Energy	
GEOG 311	Cultural Geography	
GEOG 312	Data Analysis in Geography	
GEOG 320	The Middle East	
GEOG 323	Geography of Latin America	
GEOG 324	Global Climatic Regions	
GEOG 325	Geography of Europe	
GEOG 327	Geography of South Asia	
GEOG 330	Resources and the Environment	
GEOG 331	Geomorphology	
GEOG 335	Pattern and Process in Biogeography	
GEOG 352/ GEOL 352	GNSS in the Geosciences	
GEOG 355	Concepts in Geographic Education	
GEOG 360	Natural Hazards	
GEOG 361	Remote Sensing in Geosciences	

GEOG 370/ MARS 370	Coastal Processes	
GEOG 380	Workshop in Environmental Studies	
GEOG 390	Principles of Geographic Information Systems	
GEOG 398	Interpretation of Aerial Photographs	
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GEOG 476	GIS Practicum	
GEOG 485	Directed Studies	
GEOG 489	Special Topics in...	
GEOG 491	Research	

University and College Requirements		
GEOG 213	Planet Earth Lab	1
MATH 140	Mathematics for Business and Social Sciences	3
MATH 142	Business Calculus	3
POLS 206	American National Government	3
POLS 207	State and Local Government	3
Life and Physical Science electives ²		8
Select one of the following:		
ATMO 201 & ATMO 202 and OCNG 251 & OCNG 252	Weather and Climate Laboratory and Oceanography Laboratory	
BIOL 101 & BIOL 107	Botany and Zoology	
BIOL 111 & BIOL 112	Introductory Biology I and Introductory Biology II	
CHEM 119 & CHEM 120	Fundamentals of Chemistry I and Fundamentals of Chemistry II	
GEOL 101 & GEOL 102 & GEOL 106	Principles of Geology and Principles of Geology Laboratory and Historical Geology	

PHYS 201 & PHYS 202	College Physics and College Physics	
American History	(http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)	6
Communication	(http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication)	6
Creative Arts	(http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)	3
Language, Philosophy and Culture	(http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)	3
Social and Behavioral Sciences	(http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences)	3
Minor 1		15-18
Minor 2		15-18
General Electives ³		18-24
Total Semester Credit Hours		120

¹ GEOG 301 and GEOG 305 cannot be used in combination to meet this requirement.
² Department requires that you take 8 hours Life & Physical Sciences in the same discipline to meet this requirement.
³ Any 100-499 course not used elsewhere.

Two courses that meet the writing requirement are required.

A graduation requirement includes 3 hours of international and cultural diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) course and 3 hours of cultural discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>). A course satisfying a University Core category, a college/department requirement, or a free elective may be used to satisfy this requirement.