

GEOGRAPHY (B.A.)

Bachelor of Arts Program

Program Code: BA-AS

Major Code: GEG

Geosciences Department

160 Science and Math Complex

(716) 878-6731

geosciences.buffalostate.edu/ (<http://geosciences.buffalostate.edu/>)

Geography is the study of location and temporal and spatial relationships between humans and their environment. The Geography B.A. provides students with a basic foundation of the discipline. Students can take a variety of courses to experience breadth in the field, or they can focus on a subfield in geography to gain depth.

Program Requirements

Code	Title	Credit Hours
General Education 23 Requirements (http://ecatalog.buffalostate.edu/undergraduate/collegewide-degree-requirements-baccalaureate-degrees/#IF_Courses)		
33 credit hours		
Required Courses (18 cr)		
GEG 101	WORLD NATURAL ENVIRONMENTS	3
GEG 102	HUMAN GEOGRAPHY	3
GEG 325	MAPS AND MAPMAKING USING GIS	3
GEG 390	QUANTITATIVE METHODS IN GEOSCIENCES	3
or MAT 311	INTRODUCTORY PROBABILITY AND STATISTICS	
GEG 396	RESEARCH METHODS	3
<i>Select one course from the following:</i>		
GEG 300	WORLD REGIONAL GEOGRAPHY	
GEG 359	ARCTIC GEOGRAPHY FROM AN INUIT PERSPECTIVE	
GEG 360	GEOGRAPHY OF ASIA	
GEG 362	GEOGRAPHY OF THE UNITED STATES AND CANADA	

Electives (21 cr)

Seven additional courses in Geography. Students may, in consultation with their advisor, use these electives to develop a specialty concentration.

GEG/GES 241	METEOROLOGY	
GEG 300	WORLD REGIONAL GEOGRAPHY	
GEG 305	PRINCIPLES OF ECONOMIC GEOGRAPHY	
GEG 307	CONSERVATION AND ENVIRONMENTAL MANAGEMENT	
GEG 309	URBAN GEOGRAPHY	
GEG 310	URBAN TRANSPORTATION PLANNING	
GEG 359	ARCTIC GEOGRAPHY FROM AN INUIT PERSPECTIVE	
GEG 360	GEOGRAPHY OF ASIA	
GEG 362	GEOGRAPHY OF THE UNITED STATES AND CANADA	
GEG 365	SOIL SCIENCE AND MANAGEMENT	
GEG 383	EXTREME WEATHER	
GEG 385	PAST CLIMATES AND ENVIRONMENTS	
GEG 386	WEATHER AND SOCIETY	
GEG 416	GEOGRAPHIES OF DEVELOPMENT	
GEG 418	REMOTE SENSING	
GEG 421	WATERSHED ANALYSIS	
GEG 423	BIOGEOGRAPHY	
GEG 425	FUNDAMENTALS OF GIS	
GEG 428	ENVIRONMENTAL ASSESSMENT AND PLANNING APPLICATIONS IN GIS	
GEG 429	ADVANCED TOPICS IN GIS	
GEG 478	GLOBAL CHANGE	
GEG 485	INTERACTIVE AND WEB-BASED MAPPING	
PLN 350	PLANNING FOR SUSTAINABLE COMMUNITIES	
All College Electives		48
Total Credit Hours		120

Students will:

1. demonstrate the ability to answer questions by synthesizing geographic knowledge (i.e., Six Elements of Geography: A spatial world view; place and regions; physical systems; human systems; environment and society; and the uses of geography).

2. be able to acquire geographic information and assemble ideas and information from geographic literature and scholarship, and from primary and secondary sources.
3. be able to organize geographic information into maps, graphs, and other visual representations and analyze geographic information to seek patterns, relationships, and connections.
4. be able to prepare and deliver clear and convincing written presentations.
5. be able to prepare and deliver clear and convincing oral presentations.