

# GIS AND GEOTECHNOLOGY CONCENTRATION, GEOGRAPHY (BA)

## Course Requirements

### Concentration Core

Course	Title	Quarter Hours
Select 7 courses from the following, at least one of which must be at the 300-level:		28
GEO 242	GEOGRAPHIC INFORMATION SYSTEMS II: COMMUNITY GIS	
GEO 243	EARTH OBSERVATION	
GEO 343	EARTH OBSERVATION II	
GEO 344	SPATIAL ANALYSIS FOR SUSTAINABILITY	
GEO 345	PROGRAMMING IN PYTHON FOR GIS	
GEO 346	GIS ANALYSIS OF ENVIRONMENTAL AND PUBLIC HEALTH	
GEO 347	WEB GIS AND SPATIAL DATA VISUALIZATION ON THE WEB	
GEO 348	SPATIAL DATA SCIENCE	
GEO 349	CRIME MAPPING & ANALYSIS	
GEO 391	STATISTICAL DATA ANALYSIS FOR GIS	

### Systematic Surveys and Seminars

Course	Title	Quarter Hours
Select any two other Geography courses:		8
GEO 133	URBAN GEOGRAPHY - EXPERIENTIAL LEARNING	
GEO 172	CULTURAL GEOGRAPHY: THE NATURE-CULTURE INTERFACE	
GEO 200	SUSTAINABLE URBAN DEVELOPMENT	
GEO 201	GEOPOLITICS	
GEO 205	RACE, JUSTICE, AND THE URBAN ENVIRONMENT	
GEO 215	INTERNATIONAL DEVELOPMENT AND REGIONAL INEQUALITY	
GEO 219	WOMEN AND SCIENCE	
GEO 231	HISTORICAL GEOGRAPHY OF CHICAGO	
GEO 233	COMPARATIVE URBANISM	
GEO 260	GLOBALIZATION AND RESOURCES	
GEO 266	WORLD ECONOMY: STATES, MARKETS AND LABOR	
GEO 269	CULTURAL AND POLITICAL ECOLOGY	
GEO 310	GREEN INFRASTRUCTURE	
GEO 330	SUSTAINABLE URBAN TRANSPORTATION	
GEO 333	URBAN PLANNING	
GEO 334	URBAN/CITY DESIGN	

Select any Geography course in consultation with the student's adviser

Courses not taken from those listed in the GIS and Geotechnology Concentration Core may be taken to fulfill the Systematic Surveys and Seminars requirement. All students with a Geotechnology Concentration will automatically also earn the GIS certificate.

## Open Electives

Open elective credit also is required to meet the minimum graduation requirement of 192 hours.