

Geography: Location Analytics Concentration

Table 1: Student information

Name:	Semester Admitted to WCU: Major Declared Date:	FOR STUDENTS ADMITTED STARTING AY 2025-2026			
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Requirement	Credits	Course	Semester	Grade	Rep/W*
Academic Foundations					
First-Year Experience (FYE 100)	4				
WRT 120 or WRT 123	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
MAT > 103	3				
Diverse Communities (DIV) ¹	3				
Interdisciplinary (INT) ¹	3				
Science Distributives (2 different prefixes) ²	3				
	3				
Behavioral & Social Science (2 different prefixes) ³	3				
	3				
Humanities (2 different prefixes)	3				
	3				
The Arts	3				
Writing Emphasis ⁴	3				
	3				
	GEO 400 - fulfilled in major				
Speaking Emphasis ⁵	3				
	3				
	GEO 400 - fulfilled in major				
Ethics ⁶	3				
Geography Core (24 credits)					
GEO 102 Physical Geography	3				
GEO 103 Human Geography	3				
GEO 225 Maps & Remote Sensing	3				
GEO 230 Environmental Conservation and Sustainability	3				
GEO 324 Introduction to GIS	3				
GEO 326 Geographic Analysis	3				
GEO 385 Field Methods	3				
GEO 400 Senior Seminar in Geography	3				
Location Analytics Concentration Requirements (12 credits)					
GEO 312 Urban Geography	3				
GEO 318 Economic Geography	3				
GEO 325 Intro Business GIS	3				
GEO 425 GIS Applications ⁷	3				
Location Analytics Elective Courses (24 credits)					
Elective 1	3				
Elective 2	3				
Elective 3	3				
Elective 4	3				
Elective 5	3				
Elective 6	3				
Elective 7	3				
Elective 8	3				

Capstone (3 credits)						
GEO 404 Senior Project	3					
Other Electives to reach 120 credits (required for all baccalaureate degrees)⁷	8					

Table 2: Required courses

- 1 GEO 204 Recommended
- 2 BIO110, ESS125 or SCI100 Recommended
- 3 PLN 214 Recommended
- 4 GEO 310 Recommended (also PLN 301, ENG 368/ENG 371)
- 5 GEO 332 or GEO 333 Recommended
- 6 GEO 213 Recommended
- 7 Note: The number of available, general electives will depend on the use of “Recommended” General Education GEO/PLN courses. Strategic use of GenEd courses allows for the addition of Minors and/or Sub-Baccalaureate Certificates.

Location Analytics Elective Course Options (Electives should be selected from the list below; others may be approved by your advisor):

GEO 200 Global Cities
 GEO 204 Introduction to Urban Studies
 GEO 213 GIS for Social Justice
 GEO 235 Geography of Agriculture, Food, and Sustainability
 GEO 307 Fundamentals of UAS and Image Analysis
 GEO 310 Population Geography
 GEO 316 GIS for Climate Monitoring, Hazards, and Emergency Management
 GEO 328 Computer Cartography
 GEO 332 Environmental Crises
 GEO 333 Sustainable Cities
 GEO 334 Sustainable Living
 GEO 338 Environmental Application of GIS
 GEO 341 Landscape Ecology
 GEO 352 Environmental Geopolitics
 GEO 401 Internet Mapping
 GEO 403 GeoDesign for Smart Cities
 GEO 415 Internship in Geography
 GEO 424 GIS Applications
 GEO 427 Geodatabases

PLN 201 Real Estate Fundamentals
 PLN 202 Real Estate Practice
 PLN 214 Introduction to Planning
 PLN 316 Planning for Resilient Communities and Natural Disasters
 PLN 320 Land Use Planning
 PLN 322 Land Development Controls
 PLN 324 Real Estate Development
 PLN 331 Transportation Planning
 PLN 336 Environmental Planning
 PLN 337 Land Conservation
 PLN 354 Geography & Planning of Housing