

GEOGRAPHY AND PLANNING-BS OR BA

THIS IS A **GENERAL** CURRICULUM GUIDE AND IS NOT APPLICABLE TO EVERY STUDENT. IT IS IMPORTANT TO MEET WITH YOUR ADVISOR.

Geography and Planning major (36 credits)

Geography Core (12 credits)

— GPY 100 Physical Geography (3)	— GPY 220 Cultural Geography (3)
— GPY 300 Research Methods in Geography and Planning (3) Prerequisite: STA 215	— GPY 495 Senior Thesis SWS (3) Prerequisite: Senior standing

Major Electives (24 credits)

The remainder of the 24 credit hours is comprised of electives that students select in close consultation with their academic advisor. Students must complete a minimum of 15 credit hours through the Department of Geography and Planning (with the GPY acronym). The remaining 9 hours may be selected from other departments listed on the reverse side.

Students generally focus their electives beyond the core courses in certain academic areas (for example, Geographic Information Systems, Remote Sensing and Image Processing, Cartography; City and Regional Planning; Environmental Geography/Environmental Studies, or Regional/Global Studies). However, it is suggested that a certain breadth across these areas is advantageous in order to provide flexibility and marketability for employment and/or acceptance by a graduate school. No more than six hours of 399 and 499 combined may count toward the major.

— Major Elective ____ (3)	— Major Elective ____ (3)	— Major Elective ____ (3)
— Major Elective ____ (3)	— Major Elective ____ (3)	— Major Elective ____ (3)
— Major Elective ____ (3)	— Major Elective ____ (3)	See reverse for elective options

Degree: choose one option

Bachelor of Arts

Third semester proficiency (201 level) is required for the B.A. degree. This may be fulfilled through language placement (<http://www.gvsu.edu/ml/language-placement-the-opi-108.htm>) or by completing the courses listed below

- **Language 101** (4)
- **Language 102/150** (4) (150 is a hybrid of 101 & 102 and is only recommended for students with previous language background)
- **Language 201** (4)

Bachelor of Science

- **STA 215 Introductory Applied Statistics** (3)
Prerequisite: MTH 110 or equivalent
- **One of the following:**
 - STA 216 Intermediate Applied Statistics** (3)
Prerequisite: STA 215 or STA 312
 - GPY 407 Advanced GIS** (4)
Prerequisite: GPY 307
 - GPY/ENS/PA 410 Landscape Analysis** (3)
Prerequisites: GPY 100 or GEO 111 or BIO 105 or GPY 309
 - GPY/ENS 412 Global Environmental Change** (3)
Prerequisites: GPY 100 or BIO 105
 - GPY 470 Digital Image Processing** (3)
Prerequisites: MTH 110, GPY 370, NRM 350 or permission
 - PA 495 Community Analysis** (3)
Prerequisite: Senior Standing
- **GPY 300 Research Methods in Geography and Planning** (3)
Prerequisite: STA 215

Sample Plan

Year One	
MTH 110 (4)	*GPY 200 (3)
*CIS 150 (3)	GPY Focus Area (3)
GPY 220 (3)	WRT 150 (3)
GPY 100 (3)	GEN ED (3)
GEN ED (3)	GEN ED (3)
Year Two	
STA 215 (3)	Degree option (3)
*GPY 307 (3)	GPY Focus Area (3)
GEN ED (3)	GEN ED or minor (3)
GEN ED (3)	GEN ED (3)
Elective (3)	Elective (3)

Year Three	
GPY Focus Area (3)	GPY Focus Area (3)
GPY Focus Area (3)	ISSUE (3)
GEN ED (3)	GPY 300 (3)
ISSUE (3)	Elective (3)
Elective (3)	Elective (3)
Elective (3)	Elective (3)
Year Four	
GPY 495 (3)	GPY Focus Area (3)
GPY Focus Area (3)	GPY Focus Area (3)
Elective (3)	Elective (3)
Elective (3)	Elective (3)
Elective (3)	Elective (3)

*CIS 150 is a foundation course for many of the GPY electives

*Students must complete a total of two courses with an SWS attribute – one should be outside the major

*Elective refers to any course to help you earn the required 120 credits for graduation (you are encouraged to complete an average of 15 credits per semester)

*The block tuition rate is for 12-15 credits. You will pay additional tuition for any credits over 15

*GPY 200, GPY 307, and GPY 407 are recommended as GPY electives

Guide for Declaring the Geography and Planning Major:

It is imperative to meet with your faculty advisor and an advisor in the CLAS Academic Advising Center regularly.

Your contact in the CLAS Academic Advising Center is Betty Schaner (schanerb@gvsu.edu)

The CLAS Academic Advising Center is located in C-1-140 MAK, 616-331-8585.

Online at: <http://www.gvsu.edu/clasadvising>

1. Log into myBanner from the GVSU homepage
2. Once logged in select "Student", "Student Records", and then, "Change Major"
3. Click on the "Change Major 1/Program" box
4. Click on the down arrow in the box next to "New Major 1/Program," from here scroll down and choose "Geography and Planning-BA" or "Geography and Planning-BS" depending on your degree cognate
5. Click "Submit" and then "Change to New Program"

General Education Overlap

General Education Categories fulfilled by the Geography and Planning major:	
Social and Behavioral Sciences: GPY 220 or GPY 235	Mathematical Sciences: STA 215 (prereq to GPY 300)
World Perspectives: Several options	Historical Perspectives: Option of selecting ANT 215
Issue: Many options	U.S. Diversity: GPY 353

Geography and Planning Elective Courses

(all courses are 3 credits unless otherwise noted)

Many of the Geography courses are cross-listed with other departments – students should search under each discipline to find available sections.

Urban and Regional Planning

GPY/PA 209 Intro to Urban & Regional Planning	GPY/PA 324 Urbanization	GPY 308/PA 307 Local Politics and Admin.
GPY310/PA 313 Land Use Planning	GPY 335 Globalization and Development	ECO 345 Environmental & Resource Economics
GPY/ENS/PA 312 Urban and Regional Environmental Planning	GPY/MKT/PA 365 GIS for Economic & Business Decision Making	Prerequisite: ECO 211 or ECO 200
GPY/PA 314 Land Use and Planning Law	GPY/PA 385 Economic Geography of the US	
GPY/PA 316 Intro to Transportation Planning	GPY/ENS/PA 410 Landscape Analysis	

Environmental Geography

GPY/ENS 361 People Environment & Development of the Amazon	GPY/ENS/PA 410 Landscape Analysis	ECO 345 Environmental & Resource Economics
GPY/ENS 362 Farmers, Crops & our Challenging Agricultural World	GPY/ENS 412 Global Environmental Change	Prerequisite: ECO 211 or ECO 200
GPY/ENS 363 World Forests and Their Use		GEO 320 Geomorphology (4) Prerequisite: GEO 112

Geographic Techniques

GPY 200 Computer Cartography Prerequisite: MTH 110	GPY 425 Field Research Project Prerequisite: permission of instructor	CIS 260 Application Development in Visual Basic (4) Prerequisite: CIS 162
GPY 307 Intro to Computer Mapping & Geographic Info Systems Prerequisite: sophomore standing or permission of instructor	GPY 470 Digital Image Processing Prerequisite: GPY 307 or NRM 350	NRM 250 Resource Measurement and Maps
GPY/MKT/PA 365 GIS for Economic & Business Decision Making	CIS 160 Programming with Visual Basic Prerequisite: MTH 110	NRM 395 GIS Applications in Resource Management Prerequisite: GPY 307 or NRM 250
GPY 370 Introduction to Remote Sensing	CIS 162 Computer Science 1 (4) Prerequisite: MTH 110	
GPY/PA 385 Economic Geography of the US	CIS 230 Hardware and Software Prerequisite: CIS 150	
GPY 407 Advanced GIS (4) Prerequisite: GPY 307		

Regional/Global Studies

GPY 235 World Regional Geography	GPY 352 Geography of Latin America	GPY 356 Geography of Europe
GPY 335 Globalization and Development	GPY 353 Geography of the United States & Canada	GPY/ENS 361 People Environment & Development of the Amazon
GPY 345 Geography of Michigan/Great Lakes Region	GPY 354 Geography & Globalization of Asia	GPY/ENS 362 Farmers, Crops & our Challenging Agricultural World
GPY 350 Geography of Russia and its Neighbors	GPY 355 Geography of Southwest Asia (The Middle East)	ANT 215 Origins of Civilization
GPY 351 Geography of Africa		

Other

GPY 380 Special Topics in Geography	GPY 490 Internship (1-9) Prerequisite: Permission of program coordinator	GPY 499 Independent Research (1-3) Prerequisite: Permission of program coordinator
GPY 399 Independent Readings (1-3) Prerequisite: Permission of program coordinator		

Optional Certificates

Geographic Information Systems Technology (GIS)	Sustainable Urban and Regional Planning
Required Courses: GPY 200 Computer Typography GPY 307 Intro to Computer Mapping & Geographic Info Systems GPY 407 Advanced GIS (4) Choose One Additional Elective: GPY/MKT/PA 365 GIS for Economic & Business Decision Making GPY 370 Into to Remote Sensing NRM 395 GIS Applications in Resource Management GEO 425 GIS Applications in Geology GPY 470 Digital Image Processing PA 644 GIS in the Public Service	Complete four of the five courses listed below: GPY/PA 209 Introduction to Urban and Regional Planning GPY 310/PA 313 Land Use Planning GPY/ENS/PA 312 Urban and Regional Environmental Planning GPY/PA 324 Urbanization GPY/ENS/PA 410 Landscape Analysis