

GEOGRAPHY AND SUSTAINABLE 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 (36-37 credits)

Geography Core (12 credits)

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| — GPY 100 Physical and Environmental Geography (3) | — GPY 220 Cultural Geography (3) |
| — GPY 200 Computer Cartography (3) | — GPY 495 Senior Thesis SWS or GPY 496 Senior Field Research Project (3) Prerequisite: Junior standing |
| Prerequisite: MTH 110 | |

GPY Elective 1 – Choose Two Courses from the Following Regional and Global Focus (6 credits)

(all courses are 3 credits unless otherwise noted, some courses require junior standing)

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| GPY 235 Geography for a Changing World (3) | GPY 352 Geography of Latin America (3) | GPY 356 Geography and Land-Use Management of Europe (3) |
| GPY 345 Geography and Land-Use Management in Michigan/Great Lakes (3) | GPY 353 Geography of the United States and Canada (3) | GPY 361 People Environment and Development of the Amazon (3) |
| GPY 350 Geopolitics, Energy and Environment of Russia and Central Eurasia (3) | GPY 354 Geography and Globalization of Asia (3) | GPY 381 Urban Planning in the Netherlands (Study Abroad) (3) |
| GPY 351 Geography of Africa (3) | GPY 355 Geography of Southwest Asia (3) | |

GPY Elective 2 – Take at least 5 Courses from the Following Thematic Courses (15 credits)

(all courses are 3 credits unless otherwise noted, some courses require junior standing)

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| GPY 101 Sustainability and Place (1) | GPY/PA 316 Intro to Transportation Planning (3) | GPY/PA 385 GIS in Urban and Regional Analysis (3) |
| GPY 209 Intro to Urban and Regional Planning (3) | GPY/PA 324 Urbanization (3) | GPY 399 Independent Readings (1-3) |
| GPY 307 Intro to Geographic Information Systems (3) | GPY 335 Globalization and Development (3) | GPY 407 Advanced GIS (4) Prerequisite: GPY 307 |
| GPY 310/PA 313 Land Use Planning (3) | GPY 362 Farmers, Crops and our Challenging Agricultural World (3) | GPY/PA 410 Landscape Analysis and Green Infrastructure (3) |
| GPY/PA 312 Urban and Regional Environmental Planning (3) | GPY 363 World Forests and Their Use (3) | GPY/ENS 412 Global Climate and Environmental Change (3) |
| GPY/PA 314 Land Use and Planning Law (3) | GPY/MKT/PA 365 GIS for Economic and Business Decision Making (3) | Prerequisite: GPY 100 or ENS 201 or GE Foundations Life Science or Physical Science |
| | GPY 370 Introduction to Remote Sensing (3) | GPY 470 Digital Image Processing (3) |
| | GPY 380 Special Topics in Geography (3) | Prerequisite: GPY 370 |
| | | GPY 490 Internship (1-9) |
| | | GPY 499 Independent Research (1-3) |

Degree requirements: choose one option (can be duplicated with major requirements)

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 and 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
- **GPY 307 Intro to Geographic Information Systems** (3)
- **One of the following:**
 - GPY 407 Advanced GIS** (4)
Prerequisite: GPY 307
 - GPY/ENS/PA 410 Landscape Analysis and Green Infrastructure** (3)
 - GPY/ENS 412 Global Climate and Environmental Change** (3)
Prerequisite: GPY 100 or ENS 201 or GE Foundations Life Science or Physical Science
 - GPY 470 Digital Image Processing** (3)
Prerequisites: GPY 370

Sample Plan

| Year One | |
|-----------------------------|-----------------------------|
| MTH 110 (4) | GPY 200 (3) |
| GPY 101 (1) | GPY Elective (3) |
| GPY 220 (3) | WRT 150 (4) |
| GPY 100 (3) | GEN ED (3) |
| GEN ED (3) | GEN ED (3) |
| Year Two | |
| STA 215 (3) or Language (4) | GPY 307 (3) or Language (4) |
| GEN ED (3) | GPY Elective (3) |
| GEN ED (3) | GEN ED or minor (3) |
| Elective (3) | GEN ED (3) |
| | Elective (3) |

| Year Three | |
|---------------------------------|-----------------------|
| GPY Elective (3) | GPY Elective (3) |
| GPY Elective (3) | ISSUE (3) |
| GEN ED (3) | Elective or minor (3) |
| ISSUE (3) | Elective (3) |
| B.S. Degree (3) or Language (4) | Elective (3) |
| Year Four | |
| GPY 495 (3) | GPY Elective (3) |
| GPY Elective (3) | GPY Elective (3) |
| Elective or minor (3) | Elective or minor (3) |
| Elective or minor (3) | Elective or minor (3) |
| Elective or minor (3) | Elective or minor (3) |

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| * GPY 101 is a 1 credit, recommended elective |
| *Students must complete a total of two courses with an SWS attribute. GPY 495 is an SWS course – one should be outside the major |
| *GPY Elective refers to GPY elective courses that you select from the list on the front of this page |
| * 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 |

Guide for Declaring the Geography and Planning Major:

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-BA” or “Geography-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: | |
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| Social and Behavioral Sciences: GPY 220 or GPY 235 | Mathematical Sciences: GPY 200, STA 215 (B.S. Degree Requirement) |
| Global Perspectives: GPY 235, GPY 324, GPY 350, GPY 351, GPY 355, GPY 356, GPY 362 | U.S. Diversity: GPY 353 |
| Issues: GPY 324, GPY 335, GPY 350, GPY 354, GPY 361, GPY 362, GPY 363, GPY 365, GPY 385, GPY 410, GPY 412 | |

The Geography and Sustainable Planning Department offers concentrations in *Climate Change Mitigation, Adaptation and Resiliency Planning (BS)*, *Environment and Global Geography (BS and BA)*, *Geospatial Technology (BS and BA)*, and *Urban and Regional Planning (BS and BA)*, as well as a general Geography major. Students who started at GVSU prior to Fall 2017 and would like to pursue one of the Geography Emphasis areas will need to speak with Records Office (150 STU) to update their catalog year. **It is VERY important that you speak with your advisor in the CLAS Academic Advising Center first to be sure that updating your catalog year will not have a negative impact on your academic plan.**

There are also optional certificates in *Sustainable Urban and Regional Planning (SURP)*, *Geographic Information Science and Technology (GIS&T)*, and *Environmental Remote Sensing (ERS)* that students may elect to pursue in addition to their respective major. Minors are also available in *Sustainable Urban and Regional Planning* and *Geospatial Technology* are available for all majors. For information about certificates and minors visit the Geography and Sustainable Planning website: <http://www.gvsu.edu/geography>.