

# GEOGRAPHY AND SUSTAINABLE PLANNING-BS or BA

## CLIMATE CHANGE MITIGATION, ADAPTATION, AND RESILIENCY PLANNING

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

Year One			
<sup>1</sup> WRT 150 or WRT 120 Strategies in Writing Stretch I	3/4	<sup>1</sup> WRT 130 Strategies in Writing Stretch II or WRT 150	3/4
GPY 100 Physical Geography	3	Grade of C or better required for	
<sup>3</sup> Foreign Language 101 or gen ed	3/4	<sup>3</sup> Foreign Language 102 or gen ed	3
GPY 101 or 112	1	GPY 200 Computer Cartography	3/4
MTH 110	4	Prerequisite: MTH 110	3
Prerequisite: MTH 097 or assignment through math placement exam		GPY 111 Cities, Towns, and Villages	
		Gen ed	3
<i>Total</i>	<i>14/15</i>	<i>Total</i>	<i>15/16*</i>
Year Two			
GPY 209 Intro to Urban and Regional Planning	3	<sup>3</sup> GPY 307 Intro to Geographic Information Systems	3
NRM 140 The Climatic Factor	4	Minor course	3
GPY 220 Cultural Geography	3	Minor course	3
<sup>3</sup> Foreign Language 201 or STA 215	3/4	Gen ed	3
Prerequisite: MTH 110 for STA		Gen ed	3
Elective(s)	1-2		
<i>Total</i>	<i>15</i>	<i>Total</i>	<i>15</i>
Year Three			
<sup>3</sup> GPY BS course	3/4	<sup>4</sup> Upper-Level Geography & Planning Elective Gen ed	3
GPY/ENS 412 Global Climate and Environmental Change	3	Minor course	3
Prerequisite: GPY 100 or ENS 201 or GE Foundations Life Science or Physical Science		<sup>2</sup> Issues with SWS	3
Gen ed	3	Minor course	3
Minor course	3	Minor course	3
<i>Total</i>	<i>15/16</i>	<i>Total</i>	<i>15</i>
Year Four			
<sup>4</sup> Upper-Level Geography & Planning Elective	3	<sup>2,5</sup> GPY 495 Senior Thesis	3
<sup>4</sup> Upper-Level Geography & Planning Elective	3	GPY 414 Land Use Planning	3
Minor course	3	Gen ed	3
Issues	3	Minor course	3
Minor course	3	Minor course	3
<i>Total</i>	<i>15</i>	<i>Total</i>	<i>15</i>

\* The block tuition rate is 12-15 credits. You will pay additional tuition for any credits over 15. You MUST obtain at least 120 credits total.

<sup>1</sup> Students who self-place into WRT120 should take this course in the fall semester and then take WRT 130 in the winter semester of the first year. Geography students who self-place into WRT 150 can take this course in either semester. A grade of C or higher is required to fulfill these requirements. Students will not need to take WRT 150 (or 120 & 130) if they have earned credit for the course through AP/Dual Enrollment. A grade of C or better is required.

<sup>2</sup> Students must complete a total of two courses with an SWS attribute. GPY 495 regularly has the SWS attribute.

<sup>3</sup> Geography students have the option of a Bachelor of Science (BS) or Bachelor of Arts (BA) degree. The BS degree requirements are STA 215, GPY 307, and one of the following: GPY 407, GPY 410, GPY/ENS 412, or GPY 470. The BA degree requirements are three semesters of a foreign language (Lang 101, Lang 102, Lang 201).

<sup>4</sup> See reverse for options.

<sup>5</sup> Geography students can choose GPY 495 or GPY 496 for their capstone route—GPY 496 is typically a study abroad and is NOT an SWS course.

### 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– Climate Change Mitigation, Adaptation, and Resiliency Planning" or "Geography-BS – Climate Change Mitigation, Adaptation, and Resiliency Planning" 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:	
Physical Science with lab: NRM 140	Mathematical Sciences: GPY 200, STA 215 (B.S. Degree Requirement)
Social and Behavioral Sciences: GPY 220	U.S. Diversity: GPY 353
Global Perspectives: GPY 362	Issues: GPY 361, GPY 362, GPY 365, GPY 385, 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 (such as this one) 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>.

Climate Change Mitigation, Adaption and Resiliency Emphasis Course	
(14 Credits)	
— GPY 101 Sustainability and Place (1)	— NRM 140 The Climatic Factor (4)
— GPY 209 Introduction to Urban and Regional Planning (3)	— GPY/ENS 412 Land Use Planning (3)
— GPY 314 Land Use Planning (3)	Prerequisite: GPY 100 or ENS 201 or GE Foundations Life Science or Physical Science

  

Climate Change Mitigation, Adaptation, and Resiliency Planning Electives	
At least 9 credits of the following: (many of which require junior standing)	
— GPY/PA 312 Urban and Regional Environmental Planning (3)	— GPY 381 Urban Planning in the Netherlands (Study Abroad) (3)
— GPY/PA 314 Land-Use and Planning Law (3)	— GPY/PA 385 GIS in Urban and Regional Analysis (3)
— GPY 316 Introduction to Transportation Planning (3)	— GPY 407 Advanced GIS (4)
— GPY 327 Place, Race and Ethnicity (3)	Prerequisite: GPY 307
— GPY 361 People, Environment, and Development in the Amazon (3)	— GPY 410 Landscape Analysis and Green Infrastructure (3)
— GPY 362 Farmers, Crops, and Our Challenging Agricultural World (3)	Prerequisites: GPY 100 or GEO 111 or BIO 105 or GPY 309
— GPY 363 World Forests and Their Use (3)	— GPY 470 Digital Image Processing (3)
— GPY/MKT/PA 365 GIS for Economic and Business Decision Making (3)	— Prerequisites: GPY 370
— GPY 370 Introduction to Remote Sensing (3)	

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

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

8585. Online at: <http://www.gvsu.edu/clasadvising>

Your Academic Advisors in the CLAS Academic Advising Center are Khalaya Daniels, [daniekha@gvsu.edu](mailto:daniekha@gvsu.edu) and Brandon Moskun, [moskunb@gvsu.edu](mailto:moskunb@gvsu.edu).