

Geography and Planning (2012-2013)

Students majoring in Geography are required to complete a minimum of 36 credit hours.

Geography Core

All students must complete four core courses (12 credits):

- ___ GPY 100 Physical Geography (3cr.) – offered every semester
- ___ GPY 220 Cultural Geography (3cr.) – offered every semester
- ___ GPY 300 Research Methods in Geography and Planning (3 cr.) – offered winter semester
- ___ GPY 495 SWS Senior Thesis (3cr.) – offered fall semester

Cognate Requirement

Students may earn either a B.A. or B.S. degree.

<p>B.A. Degree Cognate</p> <p>Third semester foreign language proficiency:</p> <p>___ 101</p> <p>___ 102</p> <p>___ 201</p>	<p>B.S. Degree Cognate</p> <p>Three courses:</p> <p>___ STA 215</p> <p>___ STA 216</p> <p>___ GPY 300</p>
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Major Electives

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. The remaining 9 hours may be selected from other departments listed below.

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.

A. City and Regional Planning

Course Number	Course Title	Credits	Prerequisites
GPY 309	Introduction to City and Regional Planning	3	none
GPY 310	Land Use Planning	3	none
GPY 364	GIS for Economic and Business Geography	3	none
GPY 385	Economic Geography of the United States	3	none
GPY 410	Landscape Analysis	3	GPY 100 or GEO 111 or BIO 105 or GPY 309
GPY 324	Urbanization	3	none
*SOC 351	Urban Sociology	3	SOC 201
*PA 307	Local Politics and Administration	3	none
*PA 495	Community Analysis	3	senior standing
*ECO 345	Environmental and Resource Economics	3	ECO 211 or ECO 200
*ECO 435	Urban Economics	3	ECO 211 or ECO 200
*ECO 436	Real Estate Economics	3	ECO 211 or ECO 200

B. Environmental Geography

Course Number	Course Title	Credits	Prerequisites
GPY 361	Historical Geography of the Amazon	3	none
GPY 362	A Geography of World Agriculture and Farms	3	none
GPY 410	Landscape Analysis	3	GPY 100 or GEO 111 or BIO 105 or GPY 309
GPY 412	Global Environmental Change	3	GPY 100 or BIO 105
*ECO 345	Environmental and Resource Economics	3	ECO 211 or ECO 200
*GEO 112	Earth History	5	A course in physical or general geology

*GEO 320	Geomorphology	4	GEO 112
*NRM 240	Principles of Climatology	4	none

C. Geographic Techniques

Course Number	Course Title	Credits	Prerequisites
GPY 200	Computer Cartography	3	MTH 110
GPY 307	Introduction to Computer Mapping/Geographic Information Systems	3	sophomore standing or permission from instructor
GPY 364	GIS for Economic & Business Geography	3	none
GPY 370	Introduction to Remote Sensing	3	none
GPY 385	Economic Geography of the United States	3	none
GPY 407	Advanced GIS	4	GPY 307
GPY 425	Field Research Project	3	permission of instructor
GPY 470	Digital Image Processing	3	GPY 307 or NRM 350
*CIS 160	Programming with Visual Basic	3	MTH 110
*CIS 162	Computer Science I	4	MTH 110
*CIS 230	Hardware and Software	3	CIS 150
*CIS 260	Application Development in Visual Basic	4	CIS 162
*NRM 250	Resource Measurement and Maps	4	none
*NRM 350	Aerial Photography and Remote Sensing of the Environment	4	NRM 250
*NRM 395	GIS Applications in Resource Management	3	GPY 307 or NRM 250

D. Regional/Global Studies

Course Number	Course Title	Credits	Prerequisites
GPY 235	World Regional Geography	3	none
GPY 335	Geographic Patterns-Global Development	3	none
GPY 345	Geography of Michigan/Great Lakes Region	3	none
GPY 350	Geography of Russia and its Neighbors	3	none
GPY 351	Geography of Africa	3	none
GPY 352	Geography of Latin America	3	none
GPY 353	Geography of the United States and Canada	3	none
GPY 354	Geography of Asia	3	none
GPY 355	Geography of Southwest Asia (The Middle East)	3	none
GPY 356	Geography of Europe	3	none
*ANT 215	Origins of Civilization	3	none

E. Other

Course Number	Course Title	Credits	Prerequisites
GPY 380	Special Topics in Geography	3	none
GPY 399	Independent Readings	1-3	permission of program coordinator
GPY 490	Internship	1-9	permission of program coordinator
GPY 499	Independent Research	1-3	permission of program coordinator

* Elective courses offered through other departments

It is imperative to meet with your faculty advisor or an advisor in the CLAS Academic Advising Center early in your career.
The CLAS Academic Advising Center is located in C-1-140 MAK, 616-331-8585.

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

Prepared by CLAS Academic Advising Center – Updated 07/25/12