

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.

| B.A. Degree Cognate | B.S. Degree Cognate |
|--|----------------------------------|
| Third semester foreign language proficiency: | Three courses: |
| <input type="checkbox"/> 101 | <input type="checkbox"/> STA 215 |
| <input type="checkbox"/> 102 | <input type="checkbox"/> STA 216 |
| <input type="checkbox"/> 201 | <input type="checkbox"/> GPY 300 |

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