

B.S. Geography – Degree Checklist

2012-13 Catalog

Note: Students must earn a grade of "C" or better in all Geography courses.

1) Required Courses (students must take all of the courses in this section):

	Required Courses	Semesters Offered	Taken (x) or Sem Planned
Geog 100 & 100L	Physical Geography and Lab (4 cr)	Fall and Spring	
Geog 165	Human Geography (3 cr)	Spring	
Geog 200	World Regional Geography (3 cr)	Fall	
Geog 202	Global Climate Change (3 cr)	Fall	
Geog 385	GIS Primer (3 cr)	Fall and Spring	
Geog 390	Geographic Visualization (3 cr) Pre-req: Geog 385	Fall	
Geog 493	Senior Capstone in Geography (3 cr) Take as Senior	Spring	
Math 143	Pre-calculus Algebra and Analytic Geometry (3 cr)	Fall and Spring	
Stat 251	Statistical Methods (3 cr)	Fall and Spring	
Eng 313 or 317	Business Writing (3 cr) or Technical Writing (3 cr)	Fall and Spring	

2) Minimum of 1 course (3 cr) from the following courses in human geography :

	Course	Semester offered	Taken (x) or Sem Planned
Geog 240	Economic Geography (3 cr) (pre-req Math 143)	Fall – Alt yrs (odd)	
Geog 330	Urban Geography (3 cr)	Fall – Alt yrs (odd)	
Geog 340	Business Location Decisions (3 cr)	Fall – Alt yrs (odd)	
Geog 350	Geography of Development (3-4 cr)	Fall	
Geog 360	Population Dynamics and Distribution (3-4 cr)	Spring – Alt yrs (even)	
Geog 364	Idaho and the Pacific Northwest (3 cr)	Intermittent	
Geog 365	Political Geography (3 cr)	Fall – Alt yrs (even)	
Geog 409	Rural Development (3 cr)	Fall – Alt yrs (even)	
Geog 440	The New Global Economy (3 cr)	Spring – Alt yrs (odd)	

3) Minimum of 1 course (3 cr) from the following courses in physical geography:

	Course	Semester offered	Taken (x) or Sem Planned
Geog 301	Meteorology (3 cr)	Fall	
Geog 410	Biogeography (3 cr) (pre-req Geog 100)	Spring	
Geog 401	Climatology (3 cr)	Spring	
Geog 406	Applied Meteorology and Climate (pre-req of either Geog 301 Meteorology or Geog 401 Climatology)	Spring	
Geog 450	Global Environmental Change (3 cr)	Fall – alt yrs	

4) Minimum of 1 course (3 cr) from the following courses in human-environment interactions:

	Course	Semester Offered	Taken (x) or Sem Planned
Geog 411	Natural Hazards and Society	Spr – Alt yrs (odd)	
Geog 455	Societal Resilience and Adaptation to Climate Change (3 cr)	Spring- Alt years (even)	
Geog 420	Land, Resources, and Environment (3 cr)	Fall – Alt yrs (even)	
Geog 435	Climate Change Mitigation	Fall – Alt yrs (odd)	

5) Choose 6 additional credits in Geography courses, for a total minimum number of 36 credits in Geography.

Any courses with the GEOG prefix qualify for the 6 additional credits – including all courses listed in Human and Physical section above or any courses taken to complete requirements for the Climate Change Minor or GIS certificate. Some of these include:

- Geog 364 Idaho and the Pacific Northwest (*TBD*)
- Geog 415 Scientific Data Analysis with Computer Programming (*Spring, each yr*)
- Geog 475 Intermediate GIS (*Spring, each yr*)
- Geog 407/507 Spatial Analysis and Modeling (*Spring, each yr*)
- Geog 483/583 Remote Sensing/GIS Integration (*Spring, each yr*)
- Geog 424/524 Hydrologic Apps of GIS/Remote Sensing (*Fall, odd yrs*)
- Geog 486/586 Transportation, GIS and Planning (*Spring, odd yrs*)

6) Electives to total 120 credits for the degree

Total credits includes transfer courses that have been recognized for UI credit and all courses taken to fulfill degree requirements, GenEd/Core requirements, GIS certificate or minor fields of study.

Other recommended courses (in Geography and other depts):

Students interested in obtaining more depth in any of the departmental focus areas (Geographic Information Science (GIS), spatial analysis, physical science and the environment, regional/global development) are encouraged to discuss with their interests with their advisor. He or she can help recommend courses in Geography and other departments appropriate to those depth areas. Some recommendations follow on the next page.

Students interested in **Geographic Information Science (GIS)** should consider taking:

- Courses to earn the GIS certificate in our department (see GIS Certificate checklist)
- Applied geospatial analysis courses in the College of Natural Resources, such as:
 - For 375 - Intro to Spatial Analysis for Nat Resource Management (Spring semesters)
 - REM 402 – GIS Applications in Natural Resources (on-line; offered intermittently)
 - For 472 Remote Sensing of Environment (Fall semesters). This course is a pre-req for Geog 483 Remote Sensing/GIS Integration (Spr semesters)
 - REM 407 GIS Applications in Fire (TBD)
- Additional Statistics course beyond Stat 251 (such as Stat 401 – offered both Fall/Spring semesters)
- Geog 407 Spatial Analysis and Modeling (Spring semesters; pre-req Stat 401)
- Geog 415 Scientific Analysis with Programming (Spring semesters) or other exposure to computer programming and Geog 479 GIS Programming (pre-req of Geog 415 or other programming experience)

Students interested in **Physical and Environmental Geography** should consider taking:

- Introductory Physics and/or Chemistry courses
- Courses in College of Natural Resources, such as For 462 Watershed Science (Fall semesters), For 221 Ecology, For/REM 330 Forest Ecosystem Processes, For/REM 429 Landscape Ecology (spring), REM 456 Integrated Rangeland Management
- Additional math courses such as Math 160 Survey of Calculus or 170 Analytic Geometry and Calculus I
- Courses to earn the Climate Change minor offered by our dept (see separate checklist with required and elective courses)
- Courses to earn the GIS certificate in our department (see separate checklist). Geospatial analysis skills provide you with a unique set of tools for studying physical phenomena
- Geog 415 Scientific Analysis with Programming (Spring semesters) or other exposure to computer programming

Students interested in **Human Geography and Regional/Global Development** should consider taking:

- As many courses as possible from the "Human Geography" list on first page
- Econ 272 Foundations of Economic Analysis, Econ 352 Intermediate Microeconomic Analysis, Econ 430 Regional/Urban Economics, Econ 446 International Economics. Econ 446-International Economics (prereqs Econ 201 and 202 or 272), Econ 447-International Development Economics (prereqs: Econ 201, 202 or Econ 272), Econ 453-Econometrics (prereqs: STAT 251 OR 301)
- History 180 Introduction to East Asian History, History 438 Modern Latin America, History 440 Social Revolution in Latin America, History 457 History of the Middle East
- PolS 338 American Foreign Policy, PolS 381 Western European Politics, PolS 383 Middle Eastern Politics, PolSci J410/J510-Game Theory, PolSci J449/J549-World Politics and War, PolSci J473/J573 Sustainable Community Development and Planning
- Anth J428/J528-Social and Political organization, Anth J462/J562-Human Issues in International Development (3 cr)