

**PROPOSAL TO THE SENATE COMMITTEE ON EDUCATIONAL  
POLICY TO ESTABLISH OR MODIFY AN UNDERGRADUATE  
MINOR**

**Title of the proposed minor:** Revise the Undergraduate Minor in the Department of Geography and Geographic Information Science, College of Liberal Arts and Sciences

**Sponsoring unit(s):** Julie Cidell, Associate Professor of Geography and GIS, 244-4665,  
jcidell@illinois.edu.

Karen Carney, Associate Dean, 333-1350, kmcarney@illinois.edu

**Brief description of the program of study:** Reduce the number of credits required for the minor. Add GIS category to course rubric, and change minor requirements to include one course from each of the three categories, plus one additional course. Change minor name to Geography and GIS.

**Justification:**

1. Reducing the credit hour requirement (from 19-20 hours to 18) puts our minor on equal footing with most other minors on campus. Also, since most of our 100-Level courses count for three credit hours, reducing the 100-level credit hour requirement (from 7-8 hours to 6) allows students to take two courses, for three credits each.
2. Our major and our department are structured in a tripartite manner among human geography, physical/environmental geography, and geographic information science. Requiring one course from each of these three categories will better reflect our discipline, and our increasing focus on GIS curriculum.
3. The name of our department and major have both changed to Geography and GIS, so the minor should have the same name.

**Budgetary and Staff Implications:**

- a. Additional staff and dollars needed - none
- b. Internal reallocations (e.g. change in class size, teaching loads, student-faculty ratio, etc.) - none
- c. Effect on course enrollment in other departments and explanations of discussions with representatives of those departments - none
- d. Impact on library, computer use, laboratory use, equipment, etc. - none

**Requirements:**

18 hours total:

6 hours of 100-level Geography and GIS courses chosen from an approved list.

3 hours of 200-400 level human geography courses chosen from an approved list.

3 hours of 200-400 level physical/environmental geography courses chosen from an approved list.

3 hours of 200-400 level geographic information science courses chosen from an approved list.

3 hours of 200-400 level Geography and GIS not used to satisfy the above requirements.  
6 hours must be at the 300 or 400-level.

**Prerequisites for the minor:** None

**Expected enrollment in the minor:** 25 students

**Admission to the minor:** There are no admission requirements for the minor; however students must meet with the Director of Undergraduate Studies before declaring the minor.

**Minor advisor:** Students will be advised by the Director of Undergraduate Studies in the Department of Geography and GIS. One initial advising meeting is required, but students are responsible for seeking any further advising.

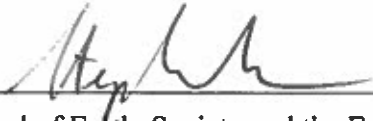
**Certification of successful completion:** A minor in Geography and GIS requires the successful completion of six courses (18 credit hours): two at the 100 Level, and at least one 200-400 Level course taken from each category, in accordance with Appendix A.

CLEARANCES:



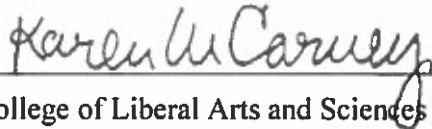
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Department of Geography and Geographic Information Science



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School of Earth, Society and the Environment



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College of Liberal Arts and Sciences

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Chair, Senate Educational Policy Committee

**Proposed Effective Date: Fall 2014**

### Statement for the Programs of Study Catalog:

The minor in Geography and GIS will expose students to a comprehensive selection of courses embracing our three broad areas of study: human geography, physical/environmental geography, and geographic information science. Students select 6 hours at the 100 level, then 3 hours each from the human, physical/environmental, and geospatial sub-disciplines (as listed below), and then 3 additional hours from any of the three sub-disciplines for a total of 18 credits. At least 6 hours total must be at the 300 or 400 level.

Hours	Requirements
6	Two courses selected from the following:
	ATMS 100: Intro to Meteorology (same as GEOG 100)
	GEOG 101: Global Environment and Development
	GEOG 103: Earth's Physical Systems
	GEOG 104: Social and Cultural Geography
	GEOG 105: The Digital Earth
	GEOG 106: Geographies of Globalization
	GEOG 110: Geography of International Conflicts
3	One course in human geography, selected from the following:
	GEOG 204: Cities of the World
	GEOG 205: Business Location Decisions
	GEOG 224: Geographic Patterns of Illinois
	GEOG 310: Political Geography
	GEOG 350: Sustainability and the City
	GEOG 356: Geography of South Asia
	GEOG 373: Spring Field Course
	GEOG 384: Population Geography
	GEOG 410: Geography of Development and Underdevelopment
	GEOG 438: Geography of Health Care
	GEOG 455: Geography of Central and South Africa
	GEOG 465: Transportation and Sustainability
	GEOG 471: Recent Trends in Geographic Thought
	GEOG 483: Urban Geography
3	One course in physical/environmental geography, selected from the following:
	GEOG 210: Contemporary Social and Environmental Problems
	GEOG 215: Resource Conflicts
	GEOG 222: Big Rivers of the World
	ESE 370: Water Planet, Water Crisis (same as GEOG and GEOL 370)
	GEOG 373: Spring Field Course
	GEOG 381: Environmental Perspectives
	NRES 401: Watershed Hydrology (same as GEOG 401)
	GEOG 406: Fluvial Geomorphology
	GEOG 408: Watershed Analysis
	GEOG 412: Earth Systems Modeling
	GEOG 467: Dynamic Simulations of Natural Resource Problems
	GEOG 468: Biological Modeling
	GEOG 481: International Environmental Cooperation
	GEOG 493: Democracy and Environment
	GEOG 496: Climate and Social Vulnerability

3	One course in geographic information science, selected from the following:
	GEOG 371: Spatial Analysis
	GEOG 379: Intro to GIS
	GEOG 380: GIS II – Spatial Problem Solving
	GEOG 412: Geospatial Technologies and Society
	PATH 439: Health Applications of GIS (same as CHLH and GEOG 439)
	GEOG 460: Analytic and Interpretive Aerial Photography
	GEOG 473: Map Compilation and Construction
	GEOG 476: Applied GIS to Environmental Studies
	GEOG 477: Intro to Remote Sensing
	GEOG 478: Techniques of Remote Sensing
	GEOG 479: Advanced GIS
	GEOG 480: Principles of GIS
3	One 200-400 level course selected from any of the above.
18	Total hours

At least 6 hours total must be at the 300 or 400 level.

**Appendix A:**  
Comparative Table of Proposed Changes

<b>Current Hours</b>	<b>Current Requirements</b>	<b>Proposed Hours</b>	<b>Proposed Requirements</b>
7-8	Chosen from specified courses drawn from the department's core program	6	Two courses selected from a list of 100 level geography courses
6	200 to 400 level courses chosen from the department's human geography cluster	3	One course in human geography selected from the approved list
6	200 to 400 level courses chosen from the department's physical geography cluster	3	One course in physical/environmental geography selected from the approved list
		3	One course in geographic information science selected from the approved list
		3	One 200-400 level course selected from any of the three categories.
<b>19-20</b>	<b>Total hours</b>	<b>18</b>	<b>Total hours</b>
	6 hours must be at the 300 or 400-level		At least 6 hours total must be at the 300 or 400 level.

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

EP.14.23

Office of the Provost and Vice Chancellor  
for Academic Affairs

Swanlund Administration Building  
601 East John Street  
Champaign, IL 61820



January 17, 2014

Gay Miller, Chair  
Senate Committee on Educational Policy  
Office of the Senate  
228 English Building, MC-461

Dear Professor Miller:

Enclosed is a copy of a proposal from the College of Liberal Arts and Sciences to revise the undergraduate minor in Geography and Geographic Information Science.

The proposal has been reviewed and approved by the Committee on Courses and Curricula in the College of Liberal Arts and Sciences. It now requires Senate review.

Sincerely,

A handwritten signature in cursive script that reads "Kristi A. Kuntz".

Kristi A. Kuntz  
Assistant Provost

Enclosures

c: K. Carney  
J. Cidell  
S. Marshak  
S. McLafferty

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Office of the Dean

College of Liberal Arts and Sciences  
294 Lincoln Hall  
702 South Wright Street  
Urbana, IL 61801-3631



RECEIVED  
JAN 08 2014  
Office of the Provost

January 3, 2014

Kristi Kuntz  
Assistant Provost  
Swanlund Administration Building  
MC-304

Dear Kristi:

The Committee on Courses and Curricula on behalf of the Faculty of the College of Liberal Arts and Sciences has voted to approve the following proposal:

**Revision of the Undergraduate Minor in the Department of Geography and Geographic Information Science**

Please address all correspondence concerning this proposal to me. This proposal is now ready for review by the Senate Educational Policy Committee for proposed implementation Fall 2014.

Sincerely,

Karen M. Carney  
Associate Dean

enclosure

C: Professor Sara McLafferty  
Professor Julie Cidell  
Professor Stephen Marshak





Senate Educational Policy Committee
Proposal Check Sheet

PROPOSAL TITLE (Same as on proposal): Revise the Undergraduate Minor in the Department of Geography and Geographic Information Science

PROPOSAL TYPE (select all that apply below):

A. [X] Proposal for a NEW or REVISED degree program. Please consult the Programs of Study Catalog for official titles of existing degree programs.

1. Degree program level:

- [ ] Graduate [ ] Professional [X] Undergraduate

2. [ ] Proposal for a new degree (e.g. B.S., M.A. or Ph.D.):

Degree name, "e.g., Bachelor of Arts or Master of Science": \_\_\_\_\_

3. [ ] Proposal for a new or revised major, concentration, or minor:

[ ] New or [X] Revised Major in (name of existing or proposed major): \_\_\_\_\_

[ ] New or [ ] Revised Concentration in (name of existing or proposed concentration): \_\_\_\_\_

[ ] New or [X] Revised Minor in (name of existing or proposed minor): Geography

4. [X] Proposal to rename an existing major, concentration, or minor:

- [ ] Major [ ] Concentration [X] Minor

Current name: Geography

Proposed new name: Geography and GIS

5. [ ] Proposal to terminate an existing degree, major, concentration, or minor:

- [ ] Degree [ ] Major [ ] Concentration [ ] Minor

Name of existing degree, major, or concentration: \_\_\_\_\_

6. [ ] Proposal involving a multi-institutional degree:

- [ ] New [ ] Revision [ ] Termination

Name of existing Illinois (UIUC) degree: \_\_\_\_\_

Name of non-Illinois partnering institution: \_\_\_\_\_

Location of non-Illinois partnering institution:

State of Illinois     US State: \_\_\_\_\_     Foreign country: \_\_\_\_\_

- B.  Proposal to create a new academic unit (college, school, department, program or other academic unit):

Name of proposed new unit: \_\_\_\_\_

- C.  Proposal to rename an existing academic unit (college, school, department, or other academic unit):

Current name of unit: \_\_\_\_\_

Proposed new name of unit: \_\_\_\_\_

- D.  Proposal to reorganize existing units (colleges, schools, departments, or program):

1.  Proposal to change the status of an existing and approved unit (e.g. change from a program to department)

Name of current unit including status: \_\_\_\_\_

2.  Proposal to transfer an existing unit:

Current unit's name and home: \_\_\_\_\_

Proposed new home for the unit: \_\_\_\_\_

3.  Proposal to merge two or more existing units (e.g., merge department A with department B):

Name and college of unit one to be merged: \_\_\_\_\_

Name and college of unit two to be merged: \_\_\_\_\_

Proposed name and college of new (merged) unit: \_\_\_\_\_

4.  Proposal to terminate an existing unit:

Current unit's name and status: \_\_\_\_\_

- E.  Other educational policy proposals (e.g., academic calendar, grading policies, etc.)

Nature of the proposal: \_\_\_\_\_

Revised 10/2012