

GEOGRAPHY

1. Deactivation of program.

Geography

**Geography Major With the B.A. Degree in Liberal Arts and Sciences
Emphasis in Integrative Geography**

2. Change in program.

Geography

**Geography Major
With the B.A. Degree in Applied Arts and Sciences
Emphasis in General Geography**

Paragraph 3 (*no change*)

Preparation for the Major. (*no change*)

Graduation Writing Assessment Requirement. (*no change*)

Major. A minimum of 32 upper division units in geography to include:

Student Assessment: Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit);

Core: Eighteen units, with at least three units from each of the following groups:

(a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental Geography: Geography 340, 348, 370, 426, 454, 570, 572-575; (d) Physical Geography: Geography 303, 375, 401, 409, 503, 506, 507, 509, 511, 512, 574, 576; (e) Geographic Methods: Geography 380, 381, 383, 385, 484, 580, 581-594;

Emphasis: Twelve units of core courses (if not already taken). Internship, senior thesis, special study, special topics, or study abroad may be used to meet this requirement when appropriate and preapproved by the undergraduate adviser.

Change(s): Renamed emphasis title (**was Emphasis in Foundations of Geography**) and major categories. Major section updated from *Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit); Fifteen units of core courses, with at least three units from each of the following groups: (a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental and Physical Geography: Geography 303, 340, 348, 370, 375, 401, 409, 440 [or Political Science 440], 454, 506, 507, 509, 511, 512, 570, 572-576; (d) Methods: Geography 380, 381, 385, 484, 581, 583-593; Fifteen units from Geography 300 to 599 (if not taken above). Field and research experience (Geography 426, 590) and*

internships (Geography 595) are encouraged. International units can be used to meet this requirement when appropriate and preapproved by the undergraduate adviser to what is presented above.

3. Change in program.

Geography

Geography Major

With the B.A. Degree in Liberal Arts and Sciences

All candidates for a degree in liberal arts and sciences must complete the graduation requirements listed in the section of this catalog on “Graduation Requirements.” No more than 57 units in geography courses can apply to the degree for students with an emphasis in environment, sustainability, and policy, or the emphasis in geographic information science and technology, or the emphasis in human geography and global studies.

Graduation with Distinction. *(no change)*

Emphasis in Environment, Sustainability, and Policy

Paragraph 1 *(no change)*

Preparation for the Major. Geography 101, 101L, 102 or 106, 104, 170, and Environmental Science 100 [or Sustainability 100]. (16 units)

Language Requirement. *(no change)*

Graduation Writing Assessment Requirement. *(no change)*

Major. A minimum of 41 upper division units in geography to include:

Student Assessment: Geography 395 to be taken in the student’s first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit);

Core: Eighteen units, with at least three units from each of the following groups: (a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental Geography: Geography 340, 348, 370, 426, 454, 570, 572-575; (d) Physical Geography: Geography 303, 375, 401, 409, 503, 506, 507, 509, 511, 512, 574, 576; (e) Geographic Methods: Geography 380, 381, 383, 385, 484, 580, 581-594;

Emphasis: Twenty-one units of core courses (if not already taken). Internship, senior thesis, special study, special topics, or study abroad may be used to meet this requirement when appropriate and preapproved by the undergraduate adviser.

Change(s): Introductory paragraph updated from *All candidates for a degree in liberal arts and sciences must complete the graduation requirements listed in the section of this catalog on “Graduation Requirements.” No more than 48 units in geography courses can apply to the degree for students with an emphasis in environment and society or the emphasis in integrative geography. For students with an emphasis in human geography and global studies or the emphasis in methods of geographic analysis, no more than 51 units in geography courses can apply to the degree to what is presented above.* Renamed emphasis title (**was Emphasis in Environment and Society**) and major categories. Preparation for the major and major sections updated from *Preparation for the Major. Geography 101, 101L, 102 or 106, 104, 170; Biology 100 and 100L; Political Science 102; Statistics 250 or comparable statistics course. (23 units) Major. A minimum of 35 upper division units in*

geography to include: 1. Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit); 2. Fifteen units of core courses, with at least three units from each of the following groups: (a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental and Physical Geography: Geography 303, 340, 348, 370, 375, 401, 409, 440 [or Political Science 440], 454, 506, 507, 509, 511, 512, 570, 572-576; (d) Methods: Geography 380, 381, 385, 484, 581, 583-593; 3. Fifteen units of core courses listed above in group (c), if not already taken; 4. Three units from core courses listed above in (a), (b), or (d), if not already taken. Field and research experience (Geography 426, 590) and internships (Geography 595) are encouraged. International units can be used to meet this requirement when appropriate and preapproved by the undergraduate adviser to what is presented above.

4. Change in program.

Geography

Geography Major

With the B.A. Degree in Liberal Arts and Sciences

Emphasis in Human Geography and Global Studies

Paragraph 1 (*no change*)

Preparation for the Major. Geography 101, 101L, 102 or 106, 104, 170 (13 units)

Language Requirement. (*no change*)

Graduation Writing Assessment Requirement. (*no change*)

International Experience. (*no change*)

Major. A minimum of 44 upper division units in geography to include:

Student Assessment: Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit);

Core: Eighteen units, with at least three units from each of the following groups:

(a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental Geography: Geography 340, 348, 370, 426, 454, 570, 572-575; (d) Physical Geography: Geography 303, 375, 401, 409, 503, 506, 507, 509, 511, 512, 574, 576; (e) Geographic Methods: Geography 380, 381, 383, 385, 484, 580, 581-594;

Emphasis: Twenty-four units of core courses (if not already taken). Internship, senior thesis, special study, special topics, or study abroad may be used to meet this requirement when appropriate and preapproved by the undergraduate adviser.

Change(s): Renamed major categories. Preparation for the major and major sections updated from *Preparation for the Major. Geography 101, 101L, 102 or 106, 104, 170; Biology 100 and 100L; Political Science 102; Statistics 250 or comparable statistics course. (23 units) Major. A minimum of 38 upper division units in geography to include: Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in*

which the student expects to graduate (one unit); Fifteen units of core courses, with at least three units from each of the following groups: (a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental and Physical Geography: Geography 303, 340, 348, 370, 375, 401, 409, 440 [or Political Science 440], 454, 506, 507, 509, 511, 512, 570, 572-576; (d) Methods: Geography 380, 381, 385, 484, 581, 583-593; Fifteen units of core courses listed above in group (b), if not already taken; Six units from core courses listed above in groups (a), (c), or (d), if not already taken. Field and research experience (Geography 426, 590) and internships (Geography 595) are encouraged. It is recommended that students seek units from international experience to meet this requirement when appropriate and preapproved by the undergraduate adviser to what is presented above.

5. Change in program.

Geography

Geography Major

With the B.A. Degree in Liberal Arts and Sciences

Emphasis in Geographic Information Science and Technology

Paragraph 1 (no change)

Preparation for the Major. (no change)

Language Requirement. (no change)

Graduation Writing Assessment Requirement. (no change)

Major. A minimum of 41 upper division units in geography to include:

Student Assessment: Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit);

Core: Eighteen units, with at least three units from each of the following groups: (a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental Geography: Geography 340, 348, 370, 426, 454, 570, 572-575; (d) Physical Geography: Geography 303, 375, 401, 409, 503, 506, 507, 509, 511, 512, 574, 576; (e) Geographic Methods: Geography 380, 381, 383, 385, 484, 580, 581-594;

Emphasis: Twenty-one units of core courses (if not already taken). Internship, senior thesis, special study, special topics, or study abroad may be used to meet this requirement when appropriate and preapproved by the undergraduate adviser.

Change(s): Renamed emphasis title (**was Emphasis in Methods of Geographic Analysis**) and major categories. Major section updated from *Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit); Fifteen units of core courses, with at least three units from each of the following groups: (a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental and Physical Geography: Geography 303, 340, 348, 370, 375, 401, 409, 440 [or Political Science 440], 454, 506, 507, 509, 511, 512, 570, 572-576;*

(d) Methods: Geography 380, 381, 385, 484, 581, 583-593; Eighteen units of core courses listed above in group (d), if not already taken; Six units from core courses listed above in groups (a), (b), or (c), if not already taken. Field and research experience (Geography 426, 590) and internships (Geography 595) are encouraged. International units can be used to meet this requirement when appropriate and preapproved by the undergraduate adviser to what is presented above.

6. Change in program.

Geography

Geography Major

With the B.S. Degree in Applied Arts and Sciences

Emphasis in Water, Climate, and Ecosystems

Paragraph 1 (*no change*)

Preparation for the Major. Geography 101, 101L, 102 or 106, 103, 104, 170 or Environmental Science 100 [or Sustainability 100]; Biology 100 and 100L, or Chemistry 200, or Physics 180A, 182A; Mathematics 124 or 150; Statistics 250 or comparable statistics course. (27-28 units)

Graduation Writing Assessment Requirement. (*no change*)

Major. A minimum of 41 upper division units in geography to include:

Student Assessment: Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit);

Core: Eighteen units, with at least three units from each of the following groups:

(a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental Geography: Geography 340, 348, 370, 426, 454, 570, 572-575; (d) Physical Geography: Geography 303, 375, 401, 409, 503, 506, 507, 509, 511, 512, 574, 576; (e) Geographic Methods: Geography 380, 381, 383, 385, 484, 580, 581-594;

Emphasis: Twenty-one units of core courses listed above in group (d) Physical Geography, if not already taken. Internship, senior thesis, special study, special topics, or study abroad, as well as up to three units from specific courses in biology, civil engineering, and geological sciences may be used to meet this requirement when appropriate and preapproved by the undergraduate adviser.

Change(s): Renamed emphasis title (**was Emphasis in Environmental and Physical Geography**) and major categories. Preparation for the major and major sections updated from *Preparation for the Major. Geography 101, 101L, 102 or 106, 104, 170; Mathematics 124 or 150; Biology 100, 100L; Chemistry 200; Physics 180A, 182A; Statistics 250 or comparable statistics course. (32 units) Major. A minimum of 38 upper division units in geography to include: Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit); Fifteen units of core courses, with at least three units from each of the following groups: (a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental and*

Physical Geography: Geography 303, 340, 348, 370, 375, 401, 409, 440 [or Political Science 440], 454, 506, 507, 509, 511, 512, 570, 572-576; (d) Methods: Geography 380, 381, 385, 484, 581, 583-593; Fifteen units of core courses listed above in group (c), if not already taken; Six units from core courses listed above in groups (a), (b), or (d), if not already taken. Field and research experience (Geography 426, 590) and internships (Geography 595) are encouraged. International units can be used to meet this requirement when appropriate and preapproved by the adviser to what is presented above.

7. Change in program.

Geography

Geography Major

With the B.S. Degree in Applied Arts and Sciences

Emphasis in Geographic Information Science and Technology

Paragraph 1 (*no change*)

Preparation for the Major. Geography 101, 101L, 102 or 106, 104; Biology 100, 100L, or Chemistry 200, or Physics 180A, 182A; Computer Science 107, 108; Mathematics 124 or 150; Statistics 250 or comparable statistics course. (27-28 units)

Graduation Writing Assessment Requirement. (*no change*)

Major. A minimum of 41 upper division units in geography to include:

Student Assessment: Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit);

Core: Eighteen units, with at least three units from each of the following groups:

(a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental Geography: Geography 340, 348, 370, 426, 454, 570, 572-575; (d) Physical Geography: Geography 303, 375, 401, 409, 503, 506, 507, 509, 511, 512, 574, 576; (e) Geographic Methods: Geography 380, 381, 383, 385, 484, 580, 581-594;

Emphasis: Twenty-one units from core courses listed above in group (e) Geographic Methods, if not already taken. Internship, senior thesis, special study, special topics, or study abroad may be used to meet this requirement when appropriate and preapproved by the undergraduate adviser.

Change(s): Renamed emphasis title (**was Emphasis in Geographic Information Science**) and major categories. Preparation for the major and major sections updated from *Preparation for the Major. Geography 101, 101L, 102 or 106, 104; Biology 100, 100L; Chemistry 200; Computer Science 107, 108; Mathematics 124 or 150; Physics 180A, 182A; Statistics 250 or comparable statistics course. (35 units) Major. A minimum of 38 upper division units in geography to include: Geography 395 to be taken in the student's first fall semester as a geography major (one unit) and Geography 495 to be taken during the spring semester of the calendar year in which the student expects to graduate (one unit); Fifteen units of core courses, with at least three units from each of the following groups: (a) Regional Geography: Geography 320, 321, 324, 336, 426; (b) Human Geography: Geography 312, 340, 348, 353, 354, 440 [or Political Science 440], 454, 554, 573; (c) Environmental and Physical Geography: Geography 303, 340, 348, 370, 375, 401,*

409, 440 [or Political Science 440], 454, 506, 507, 509, 511, 512, 570, 572-576; (d) *Methods: Geography 380, 381, 385, 484, 581, 583-593; Fifteen units of core courses listed above in group (d), if not already taken; Three units from core courses listed above in groups (a), (b), or (c), if not already taken. Geography 496, 498, 499, 590, 595, 596 or qualifying international experience may be used to satisfy units within this category when appropriate and approved by the adviser; Three units from Computer Science 310 or 320 (or comparable course approved by the adviser) to what is presented above.*

LINGUISTICS

8. Change in program.

Linguistics

Linguistics Major

With the B.A. Degree in Liberal Arts and Sciences

Paragraphs 1-2 (*no change*)

Preparation for the Major. Linguistics 101 and one course selected from Linguistics 270, Economics 201, Philosophy 120, Political Science 201, Psychology 280, Sociology 201, Statistics 119, or 250. (6-7 units)

Remainder of description (*no change*)

Change(s): *And three units selected from Linguistics 270, Economics 201, Philosophy 120, Political Science 201, Psychology 280, Sociology 201, Statistics 119, or 250. (6-7 units) added to preparation for the major section.*