

DEGREE CONCENTRATIONS

All Geography majors are required to select at least one of four concentrations focusing on a particular subfield of geography. The four concentrations are:

- ***Geographic Information Science (GISci)*** - Formerly known as the Geographic Information Systems and Analysis (GISA) concentration. The GISci concentration gives students majoring in Geography a firm understanding of the theory and practice of GIS and other spatial and analytical techniques. Students develop an understanding of geographic concepts and systematic approaches through completing the Department's standard lower division, core, and breadth coursework. Upper-division coursework ground students in basic GIScience concepts, prepares them with the skills necessary to compete for modern GIS-based jobs via required coursework, and allows them to choose from electives that equip them with more specific analyses and output skills
- ***Human Geography (Human)*** - The Human Concentration gives students a broad, well-rounded understanding of the discipline of geography within the context of the social and human spheres of influence and interactions, and serves as an ideal basis of further graduate work.
- ***Metropolitan Area Planning (MAP)*** - Students choosing the MAP concentration develop expertise in planning and development in metropolitan regions from a geographic perspective, working closely with various experts in the field through coursework and internships. A broad array of courses focused on planning considerations are offered in the Department by several faculty with expertise in the field.
- ***Physical Geography (Physical)*** - Students choosing this path develop an intellectual foundation in the physical landscapes of Earth and interactions with people. Climate, weather, landforms, and the geographic patterns of life on Earth are points of focus in this concentration. The Paleoecology Lab provides opportunity for students to gain hands-on experience in physical geography field and laboratory techniques.

CONCENTRATION UPDATES

We have made updates to our concentrations over the past few years, including: new courses that enhance student learning, strengthening skills needed for modern job opportunities, and streamlining the path to graduation. The following concentration worksheets help to track your progress to degree. Be sure to use the appropriate worksheet for your concentration and catalog rights, as options and requirements may change based on your catalog year.

If your catalog year pre-dates the following, you will need a course substitution form for the Registrar to count the class towards degree requirements. Check with your major advisor.

Added 2018-19: **GEOG 150**

Added 2021-22: **GEOG 151**

Added 2022-23: **GEOG 133, GEOG 144 (196U), GEOG 155 (196D)**

Added 2023-24: **GEOG 142 (196F)**

GEOG 196N offered 2023-24. Option for Physical (breadth, or concentration elective)

GEOG 196W offered 2023-24. Option for Human (breadth, or concentration elective)

GEOGRAPHIC INFORMATION SCIENCE (GISCIENCE)

BA in Geography, Concentration Planning Worksheet

Minimum of 16 Geography courses.

Lower and Upper Division Core Requirements: Complete all of the following.

Geog 1: Physical Geography (GE:B1)	Taken	Planned
Geog 2: Cultural Geography (GE:D)	Taken	Planned
Geog 3: Intro to Maps	Taken	Planned
Geog 11: Physical Geog Lab (GE:B3)	Taken	Planned
Geog 102: Idea & Skills	Taken	Planned
Geog 118: Earth Transformed	Taken	Planned
^ Geog 190: Seminar in Geographic Thought (GE:WI)	Taken	Planned

Breadth requirements: Take one from each category.

Physical Geography

Geog 111	Taken	Planned
Geog 113 (GE:B5)	Taken	Planned
Geog 115 (GE:B5)	Taken	Planned
Geog 116 (GE:B5)	Taken	Planned
Geog 117	Taken	Planned
Geog 161	Taken	Planned

Regional Geography

Geog 121	Taken	Planned
Geog 125	Taken	Planned
Geog 127	Taken	Planned
Geog 128	Taken	Planned
Geog 129x	Taken	Planned
Geog 131	Taken	Planned
Geog 133	Taken	Planned

Human Geography

Geog 141	Taken	Planned
Geog 142	Taken	Planned
Geog 143	Taken	Planned
Geog 144	Taken	Planned
Geog 145 (GE:D)	Taken	Planned
Geog 147	Taken	Planned
Geog 148	Taken	Planned
Geog 149	Taken	Planned

GIScience Concentration Requirements: Courses used to satisfy LD and UD Core or Breadth Requirements cannot be counted towards concentration requirements.

Concentration Core Requirements

(with minimum grade of C-):

Geog 109	Taken	Planned
* Geog 110	Taken	Planned
Geog 150	Taken	Planned
* Geog 155	Taken	Planned

Concentration Electives: two of the following:

Geog 105	Taken	Planned
Geog 107	Taken	Planned
+ Geog 151	Taken	Planned
* Geog 163	Taken	Planned
Geog 181	Taken	Planned
^ Geog 182	Taken	Planned
Geog 199	Taken	Planned

^ Pre-requisite: GEOG 102

* Pre-requisite: GEOG 109

+ Pre-requisite: GEOG 150

BA GEOGRAPHY, GEOGRAPHIC INFORMATION SYSTEMS & ANALYSIS CONCENTRATION WORKSHEET

1. Minimum of 16 Geography courses.
2. Lower and Upper Division Core Requirements: Complete all of the following.
Required (For 1, 2, 3, or 11, note equivalents taken at other institutions)

Geog 1: Physical Geography (GE:B1)	Campus	Taken	Planned
Geog 2: Cultural Geography (GE:D)	Campus	Taken	Planned
Geog 3: Intro to Maps	Campus	Taken	Planned
Geog 11: Physical Geog Lab (GE:B3)	Campus	Taken	Planned
Geog 102: Idea & Skills		Taken	Planned
Geog 118: Earth Transformed		Taken	Planned
Geog 190: Seminar in Geographic Thought (GE:WI)		Taken	Planned

3. Breadth requirements: Take one from each category.

Geographic Techniques

Geog 105	Taken	Planned
Geog 107	Taken	Planned
Geog 109	Taken	Planned
Geog 110	Taken	Planned
Geog 150	Taken	Planned
Geog 151	Taken	Planned
Geog 163	Taken	Planned
Geog 181	Taken	Planned
Geog 193x	Taken	Planned

Regional Geography

Geog 121	Taken	Planned
Geog 125	Taken	Planned
Geog 127	Taken	Planned
Geog 128	Taken	Planned
Geog 129	Taken	Planned
Geog 131	Taken	Planned

Physical Geography

Geog 111 (GE:B5)	Taken	Planned
Geog 113 (GE:B5)	Taken	Planned
Geog 115 (GE:B5)	Taken	Planned
Geog 116 (GE:B5)	Taken	Planned
Geog 117	Taken	Planned
Geog 161	Taken	Planned

Human Geography

Geog 141	Taken	Planned
Geog 143	Taken	Planned
Geog 145 (GE:D)	Taken	Planned
Geog 147	Taken	Planned
Geog 148	Taken	Planned
Geog 149	Taken	Planned
Geog 163	Taken	Planned

4. Geographic Information Systems and Analysis Concentration: Courses used to satisfy Core or Breadth Requirements cannot be counted towards concentration requirements.

Required:

Geog 109	Taken	Planned
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Four of the following:

Geog 105	Taken	Planned	Geog 151	Taken	Planned
Geog 107	Taken	Planned	Geog 181	Taken	Planned
Geog 110	Taken	Planned	Geog 163	Taken	Planned
Geog 150	Taken	Planned	Geog 199	Taken	Planned

HUMAN GEOGRAPHY

BA in Geography, Concentration Planning Worksheet

Minimum of 16 Geography courses.

Lower and Upper Division Core Requirements: Complete all of the following.

Geog 1: Physical Geography (GE:B1)	Taken	Planned
Geog 2: Cultural Geography (GE:D)	Taken	Planned
Geog 3: Intro to Maps	Taken	Planned
Geog 11: Physical Geog Lab (GE:B3)	Taken	Planned
Geog 102: Idea & Skills	Taken	Planned
Geog 118: Earth Transformed	Taken	Planned
Geog 190: Seminar in Geographic Thought (GE:WI)	Taken	Planned

Breadth requirements: Take one from each category.

Geographic Techniques

Geog 105	Taken	Planned
Geog 107	Taken	Planned
Geog 109	Taken	Planned
Geog 110	Taken	Planned
Geog 150	Taken	Planned
Geog 151	Taken	Planned
Geog 155	Taken	Planned
Geog 163	Taken	Planned
Geog 181	Taken	Planned
Geog 182	Taken	Planned
Geog 193x	Taken	Planned

Human Geography

Geog 141	Taken	Planned
Geog 142	Taken	Planned
Geog 143	Taken	Planned
Geog 144	Taken	Planned
Geog 145 (GE:D)	Taken	Planned
Geog 147	Taken	Planned
Geog 148	Taken	Planned
Geog 149	Taken	Planned
Geog 163	Taken	Planned

Regional Geography

Geog 121	Taken	Planned
Geog 125	Taken	Planned
Geog 127	Taken	Planned
Geog 128	Taken	Planned
Geog 129x	Taken	Planned
Geog 131	Taken	Planned
Geog 133	Taken	Planned

Physical Geography

Geog 111	Taken	Planned
Geog 113 (GE:B5)	Taken	Planned
Geog 115 (GE:B5)	Taken	Planned
Geog 116 (GE:B5)	Taken	Planned
Geog 117	Taken	Planned
Geog 161	Taken	Planned

Human Concentration: Courses used to satisfy Core or Breadth Requirements cannot be counted towards concentration requirements.

Two of the following:

Geog 141	Taken	Planned
Geog 142	Taken	Planned
Geog 143	Taken	Planned
Geog 144	Taken	Planned
Geog 145	Taken	Planned
Geog 147	Taken	Planned
Geog 148	Taken	Planned
Geog 149	Taken	Planned
Geog 161	Taken	Planned
Geog 163	Taken	Planned

Two of the following:

Geog 121	Taken	Planned
Geog 125	Taken	Planned
Geog 127	Taken	Planned
Geog 128	Taken	Planned
Geog 129x	Taken	Planned
Geog 131	Taken	Planned
Geog 133	Taken	Planned

One of the following:

Geog 105	Taken	Planned
Geog 107	Taken	Planned
Geog 109	Taken	Planned
Geog 110	Taken	Planned
Geog 150	Taken	Planned
Geog 151	Taken	Planned
Geog 155	Taken	Planned
Geog 163	Taken	Planned
Geog 181	Taken	Planned
Geog 182	Taken	Planned
Geog 193x	Taken	Planned

METROPOLITAN AREA PLANNING (MAP)

BA in Geography, Concentration Planning Worksheet

Minimum of 16 Geography courses.

Lower and Upper Division Core Requirements: Complete all of the following.

Geog 1: Physical Geography (GE:B1)	Taken	Planned
Geog 2: Cultural Geography (GE:D)	Taken	Planned
Geog 3: Intro to Maps	Taken	Planned
Geog 11: Physical Geog Lab (GE:B3)	Taken	Planned
Geog 102: Idea & Skills	Taken	Planned
Geog 118: Earth Transformed	Taken	Planned
Geog 190: Seminar in Geographic Thought (GE:WI)	Taken	Planned

Breadth requirements: Take one from each category.

Geographic Techniques

Geog 105	Taken	Planned
Geog 107	Taken	Planned
Geog 109	Taken	Planned
Geog 110	Taken	Planned
Geog 150	Taken	Planned
Geog 151	Taken	Planned
Geog 155	Taken	Planned
Geog 163	Taken	Planned
Geog 181	Taken	Planned
Geog 182	Taken	Planned
Geog 193x	Taken	Planned

Physical Geography

Geog 111	Taken	Planned
Geog 113 (GE:B5)	Taken	Planned
Geog 115 (GE:B5)	Taken	Planned
Geog 116 (GE:B5)	Taken	Planned
Geog 117	Taken	Planned
Geog 161	Taken	Planned

Human Geography

Geog 141	Taken	Planned
Geog 142	Taken	Planned
Geog 143	Taken	Planned
Geog 144	Taken	Planned
Geog 145 (GE:D)	Taken	Planned
Geog 147	Taken	Planned
Geog 148	Taken	Planned
Geog 149	Taken	Planned
Geog 163	Taken	Planned

Regional Geography

Geog 121	Taken	Planned
Geog 125	Taken	Planned
Geog 127	Taken	Planned
Geog 128	Taken	Planned
Geog 129x	Taken	Planned
Geog 131	Taken	Planned
Geog 133	Taken	Planned

Metropolitan Area Planning Concentration: Courses used to satisfy Core or Breadth Requirements cannot be counted towards concentration requirements.

Required:

Geog 109	Taken	Planned
Geog 148	Taken	Planned

One of the following:

Geog 141	Taken	Planned
Geog 145	Taken	Planned

One of the following:

Geog 147	Taken	Planned
Geog 149	Taken	Planned

One of the following:

Geog 105	Taken	Planned
Geog 107	Taken	Planned
Geog 110	Taken	Planned
Geog 150	Taken	Planned
Geog 151	Taken	Planned
Geog 155	Taken	Planned
Geog 163	Taken	Planned
Geog 181	Taken	Planned
Geog 182	Taken	Planned
Geog 193A or B	Taken	Planned

PHYSICAL GEOGRAPHY

BA in Geography, Concentration Planning Worksheet

Minimum of 16 Geography courses.

Lower and Upper Division Core Requirements: Complete all of the following.

Geog 1: Physical Geography (GE:B1)	Taken	Planned
Geog 2: Cultural Geography (GE:D)	Taken	Planned
Geog 3: Intro to Maps	Taken	Planned
Geog 11: Physical Geog Lab (GE:B3)	Taken	Planned
Geog 102: Idea & Skills	Taken	Planned
Geog 118: Earth Transformed	Taken	Planned
Geog 190: Seminar in Geographic Thought (GE:WI)	Taken	Planned

Breadth requirements: Take one from each category.

Geographic Techniques

Geog 105	Taken	Planned
Geog 107	Taken	Planned
Geog 109	Taken	Planned
Geog 110	Taken	Planned
Geog 150	Taken	Planned
Geog 151	Taken	Planned
Geog 155	Taken	Planned
Geog 163	Taken	Planned
Geog 181	Taken	Planned
Geog 182	Taken	Planned
Geog 193x	Taken	Planned

Physical Geography

Geog 111	Taken	Planned
Geog 113 (GE:B5)	Taken	Planned
Geog 115 (GE:B5)	Taken	Planned
Geog 116 (GE:B5)	Taken	Planned
Geog 117	Taken	Planned
Geog 161	Taken	Planned

Human Geography

Geog 141	Taken	Planned
Geog 142	Taken	Planned
Geog 143	Taken	Planned
Geog 144	Taken	Planned
Geog 145 (GE:D)	Taken	Planned
Geog 147	Taken	Planned
Geog 148	Taken	Planned
Geog 149	Taken	Planned
Geog 163	Taken	Planned

Regional Geography

Geog 121	Taken	Planned
Geog 125	Taken	Planned
Geog 127	Taken	Planned
Geog 128	Taken	Planned
Geog 129x	Taken	Planned
Geog 131	Taken	Planned
Geog 133	Taken	Planned

Physical Geography Concentration: Courses used to satisfy Core or Breadth Requirements cannot be counted towards concentration requirements.

Four of the following:

Geog 111	Taken	Planned
Geog 115	Taken	Planned
Geog 116	Taken	Planned
Geog 117	Taken	Planned
Geog 161	Taken	Planned
Geog 193C	Taken	Planned

One of the following:

Geog 105	Taken	Planned
Geog 107	Taken	Planned
Geog 109	Taken	Planned
Geog 110	Taken	Planned
Geog 150	Taken	Planned
Geog 151	Taken	Planned
Geog 155	Taken	Planned
Geog 163	Taken	Planned
Geog 181	Taken	Planned
Geog 182	Taken	Planned