

# GEOGRAPHY MAJOR: GEOGRAPHIC INFORMATION SYSTEMS CONCENTRATION

## Requirements for a Major

Minimum requirement for the major is completion of a six-course (18 credit) core curriculum and one of five concentrations. Students will declare a concentration in either General Geography, Environmental Studies, Geographic Information Systems, Earth System Science, or Earth Science Education. Study Away/Study Abroad is strongly encouraged for geography majors.

Code	Title	Credits
<b>Core Courses (18 credits)</b>		
GS-101 or GS-110 or EV-150	Physical Geography Meteorology Environmental Science	3
GE-102	Human Geography	3
GS-140	Physical Geology	4
GS-165	Geographic Information Systems I	4
GE-200	Geography Literature Seminar	1
GE/GS-400	Geography Seminar	3
<b>Requirements for the Concentration in Geographic Information Systems (GIS) (27 credits)</b>		
<i>Required core courses</i>		
GS-218	Introduction to Remote Sensing	3
GS-318	Geographic Information Systems II	3
<i>Select one of the following:</i> 3		
GS/GE-410	Independent Study: Earth Science-Geoscience	
GS/GE-450	Readings and Directed Research	
GS/GE-460	Internship: Geography	
<i>Core electives</i>		
4 courses at the 200+ level in either physical or human geography. Students are encouraged to focus on one area.		12
<i>Ancillary Courses</i>		
To be taken by the time the student has 21 credits in the major		
CS-135	Programming for Non-CS Majors	3
MA-150	Statistics I	3
<b>Total Credits</b>		<b>45</b>

## Geography Major: GIS Concentration Sample Timeline for Completion of Degree

Year One		Credits
<b>Semester One</b>		
LASC	First-Year Seminar (FYS)	3
EN-101	College Writing I	3
MA-150	Statistics I (LASC: QR)	3
GE-102	Human Geography (LASC: HBS)	3
GS-101 or GS-110 or EV-150	Physical Geography (LASC: NSP) or Meteorology or Environmental Science	3
<b>Credits</b>		<b>15</b>
<b>Semester Two</b>		
EN-102	College Writing II	3

GS-165	Geographic Information Systems I	4
GS-140	Physical Geology (LASC: LAB)	4
LASC	LASC Elective (CON) <sup>1</sup>	3
LASC	LASC Elective (USW) <sup>1</sup>	3
<b>Credits</b>		<b>17</b>

### Year Two

#### Semester Three

GS-218	Introduction to Remote Sensing	3
CS-135	Programming for Non-CS Majors (LASC: QR)	3
LASC	LASC Elective (TLC) <sup>1</sup>	3-4
LASC	LASC Elective (CA) <sup>1</sup>	3
SELECT	Minor/Elective	3
<b>Credits</b>		<b>15-16</b>

#### Semester Four

GS-318	Geographic Information Systems II	3
GS/GE 2XX+	Elective	3
LASC	LASC Elective (ICW) <sup>1</sup>	3
LASC	LASC Elective (GP) <sup>1</sup>	3
SELECT	Minor/Elective	3
<b>Credits</b>		<b>15</b>

### Year Three

#### Semester Five

GE-200	Geography Literature Seminar	1
GS/GE 2XX+	Elective	3
GS/GE 2XX+	Elective	3
LASC	LASC Elective (DIV) <sup>1</sup>	3
SELECT	Minor/Elective	3
SELECT	Minor/Elective	3
<b>Credits</b>		<b>16</b>

#### Semester Six

GS/GE 2XX+	Elective	3
SELECT	Minor/Elective	3
SELECT	Minor/Elective	3
SELECT	Minor/Elective	3
SELECT	Minor/Elective	3
<b>Credits</b>		<b>15</b>

### Year Four

#### Semester Seven

<i>Select one of the following:</i> 3		
GE-410 or GS-410	Independent Study: Geography or Independent Study: Earth Science-Geoscience	
GE-450 or GS-450	Readings and Directed Research or Readings and Directed Research	
GE-460 or GS-460	Internship: Geography or Internship: Geography	
SELECT	Minor/Elective	3
SELECT	Minor/Elective	3
SELECT	Minor/Elective	3
SELECT	Minor/Elective	3
<b>Credits</b>		<b>15</b>

#### Semester Eight

GS-400	Senior Seminar	3
SELECT	Minor/Elective	3
SELECT	Minor/Elective	3

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SELECT	Minor/Elective	3
	<b>Credits</b>	<b>12</b>
	<b>Total Credits</b>	<b>120-121</b>

<sup>1</sup> The sequence of LASC courses marked with <sup>1</sup> is a suggestion but serves as a reminder that LASC designated courses must be taken to satisfy the LASC requirements.

Students are required to meet with their academic advisor to review their courses for the upcoming semester. A minimum of 120 credits is required for graduation. First-year and transfer students with 45 or fewer credits at the time of admission shall complete two academic programs (a major/major or major/minor) to qualify for graduation. For more information, please view the MajorPlus section of this catalog.