

# GEOGRAPHY MAJOR: EARTH SYSTEM SCIENCE 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</b>		<b>(18 credits)</b>
GS-101 or GS-110	Physical Geography Meteorology	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 Earth System Science</b>		<b>(32 credits)</b>
<i>Ancillary requirements (may apply to LASC requirements)</i>		
MA-190	Pre-calculus	4
Select one of the following:		4
CH-112	Survey of Chemistry	
CH-120	General Chemistry I	
PY-221	General Physics I	
PY-241	Physics I (Mechanics)	
<i>Required core courses</i>		
GS-210	Geomorphology	4
GS-225	Oceanography	3
GS-230	Biogeography	3
<i>Core electives</i>		
14 upper level credits at the 200+ level, including 3 earth science credits at the 300+ level. No more than one geography (GE) or Geospatial course can be counted toward this requirement.		14
<b>Total Credits</b>		<b>50</b>

## Geography Major: Earth System Science Concentration

### Sample Timeline for Completion of Degree

<b>Year One</b>		
<b>Semester One</b>		<b>Credits</b>
LASC	First-Year Seminar	3
EN-101	College Writing I	3
LASC	LASC Elective (GP) <sup>1</sup>	3
GE-102	Human Geography	3
GS-101	Physical Geography	3
<b>Credits</b>		<b>15</b>
<b>Semester Two</b>		
EN-102	College Writing II	3
LASC	LASC Elective (CON)	3
MA-190	Pre-calculus	4
LASC	LASC Elective (TLC) <sup>1</sup>	3

GS-140	Physical Geology	4
<b>Credits</b>		<b>17</b>
<b>Year Two</b>		
<b>Semester Three</b>		
GS-165	Geographic Information Systems I	4
GS-210	Geomorphology	4
Select one of the following LASC courses: <sup>1</sup>		4
CH-120	General Chemistry I	
PY-221	General Physics I (NSP LAB)	
PY-241	Physics I (Mechanics)	
GE-200	Geography Literature Seminar	1
LASC	LASC Elective (CA) <sup>1</sup>	3
<b>Credits</b>		<b>16</b>
<b>Semester Four</b>		
GS-225	Oceanography	3
GS-230	Biogeography	3
LASC	LASC Elective (USW) <sup>1</sup>	3
LASC	LASC Elective (HBS) <sup>1</sup>	3
LASC	LASC Elective <sup>1</sup>	4
<b>Credits</b>		<b>16</b>
<b>Year Three</b>		
<b>Semester Five</b>		
SELECT	Earth System Science Elective	3
SELECT	Earth System Science Elective	3
LASC	LASC Elective (QR) <sup>1</sup>	3
LASC	LASC Elective <sup>1</sup>	3
SELECT	General Elective	3
<b>Credits</b>		<b>15</b>
<b>Semester Six</b>		
SELECT	Earth System Science Elective	3
SELECT	Earth System Science Elective	3
LASC	LASC Elective (NSP) <sup>1</sup>	3
LASC	LASC Elective <sup>1</sup>	3
SELECT	General Elective	3
<b>Credits</b>		<b>15</b>
<b>Year Four</b>		
<b>Semester Seven</b>		
SELECT	Earth System Science Elective	3
LASC	LASC Elective (ICW)	3
SELECT	General Elective	3
SELECT	General Elective	3
SELECT	General Elective	3
<b>Credits</b>		<b>15</b>
<b>Semester Eight</b>		
GE-400	Geography Seminar (CAP)	3
SELECT	General Elective	3
SELECT	General Elective	3
SELECT	General Elective	3
SELECT	General Elective	3
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>124</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.