

## PROGRAM SUMMARY

- **Credit Hours:** 120 hours
- **Concentrations:** Urban & Regional Planning; Urban, Social & Economic Geography; Geographic Information Science & Technology (GISc&T)
- **Declaring the Major:** Minimum GPA of 2.0 preferred. Major can be declared on a rolling basis throughout the year.
- **Advising (For the Major):** Each major is assigned an advisor from within the department. Majors will meet with this advisor before each subsequent semester to define the most advantageous course schedule for the student. An advising hold will be in place until the student completes their advising meeting, at which time it will be removed for registration.
- **Advising (For General Education):** General Education course advising can be done within the department by your major advisor.
- **Minimum Grades/GPA:** minimum GPA is 2.0
- **Teacher Licensure:** No. Social Studies licensure is available through the B.A. in Geography.
- **Evening Classes Available:** Yes. Elective courses are available in evening, but the major cannot be completed at night.
- **Weekend Classes Available:** No
- **Other Information:** Internships available; Gamma Theta Upsilon (an international geography honor society), Geography Club, Student Chapter of American Society of Photogrammetry and Remote Sensing (ASPRS).
- **Contact(s):** Ms. Jamie Strickland, undergraduate coordinator for GEOG, [jstrickl@uncc.edu](mailto:jstrickl@uncc.edu)

## PROGRAM REQUIREMENTS

The Geography curriculum is oriented toward the concepts and methodologies of social science that stress the importance of location. Geography is the study of spatial variation – of how things vary from place to place on the surface of the earth; how places are connected to each other, and the factors that shape how places interact and change over time.

Geography is studied at many levels, from the local to the global, and from many perspectives (i.e. social, cultural, political, economic, and environmental). Conceptual treatment of geographic issues deal with urbanization; globalization; migration; sustainability; patterns of land use; transportation systems; the flow of goods, services and information; business location; planning for the natural and built environment; and human-environmental interaction in both urban and rural settings. Special emphasis is placed on how these factors shape our world, the places where we live and work, and the ways in which we interact. Geographic analysis involves information technology; mapping and statistical analysis; social area analysis; remote sensing and satellite imagery; and especially the use of Geographic Information Systems (GIS). A host of courses prepare students in both the concepts and methods of contemporary spatial analysis. The Department also leads the interdisciplinary minor in Urban Studies and Geography majors find careers in urban and regional planning, cartography, GIS applications and development, marketing research, transportation planning, real estate development and teaching. While a wide range of career options are available to undergraduate geography majors, graduate studies provide additional options. (See the [UNC Charlotte Graduate Catalog](#) regarding the M.A. in Geography program.)

Formal concentrations within the major include Urban, Social and Economic Geography, Urban and Regional Planning, and GIScience and Technology. Other plans of study may be developed; students should contact their advisors to develop a program of study that matches their career objectives. In addition to the required 31 hours of core coursework all students except those pursuing the GIScience & Technology Concentration (see below) are required to complete 18 hours of elective GEOG coursework at the 3000 or above level. Up to three elective courses may be selected from courses with the ESCI, GEOL, and METR prefix. Students should work closely with their academic advisors to ensure that their program of study is tailored to their career goals.

<b>Areas</b>	<b>Credit Hours</b>	<b>Description</b>
<b>Major</b>	49	Required courses in Geography (GEOG) and Earth Science (ESCI).
<b>General Education</b> <i>(not satisfied by other major requirements)</i>	30	Hours do not include those requirements which are satisfied within the major. BS GEOG majors may use GEOG 1105 to satisfy Social Science requirement of General Education and ESCI 1101 to satisfy the Science with lab requirement of General Education. Transfer students with an associate's degree are exempt from most General Education, but must complete Writing Intensive requirement.
<b>Related Work</b>	6	Specific requirements include ENGL 2116 and a MATH above 1103.
<b>Foreign Language</b>	0-8	Foreign language: Proficiency at the introductory level (1202) by coursework, placement test, or high school coursework.
<b>Electives</b>	27-35	May be satisfied by a second major, a minor, or a set of coordinated courses developed through consultation with an advisor. As needed to complete 120 hours total.
<b>Total Credit Hours</b>	120	

## SUGGESTED PLAN OF STUDY – B.S. IN GEOGRAPHY

### Freshman Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1101	World Regional Geography	3			
ESCI 1101	Earth Science-Geography plus Laboratory	4	X		Fulfills General Edu. Natural Sci. Requirement
GEOG 1105	Location of Human Activity	3	X		Fulfills General Edu. Social Sci. Requirement
LBST 110X	Arts and Society	3	X		
UWRT 1101	Writing and Inquiry in Academic Contexts I	3	X		
<i>Spring Semester</i>					
GEOG 1103	Spatial Thinking	4			
XXXX XXXX	Natural Science without lab	3	X		
LBST 2101	Western Cultural and Historical Awareness	3	X		
UWRT 1102	Writing and Inquiry in Academic Contexts II	3	X		
MATH 110X	Mathematics course	3	X		

32 Credit Hours for Year

### Sophomore Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1110	Introduction to Urban and Regional Planning	3			
GEOG 2110	Introduction to Geographic Research	3			
LBST 2102	Global and Intercultural Connections	3	X		
MATH/STAT	MATH/STAT above 1103 (e.g. STAT 1220 or 1222)	3	X		Fulfills Mathematics Requirement
XXXX 1201	FORL 1201 Foreign Language (or proficiency)	4			CLAS requirement
<i>Spring Semester</i>					
ENGL 2116	Introduction to Technical Communication	3	X	W	
GEOG 3120	Fundamentals of Geographic Information Systems	4			GEOG 1103 and GEOG 2110 are pre-requisites
LBST 221X	Ethics and Cultural Critique	3	X		
XXXX 1202	FORL 1202 Foreign Language (or proficiency)	4			CLAS requirement

30 Credit Hours for Year

### Junior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG XXXX	GEOG electives	3			
GEOG XXXX	GEOG electives W requirement	3	X	W	
XXXX XXXX	General electives or minor coursework	9			
<i>Spring Semester</i>					
GEOG 2165	Patterns of World Urbanization	3	X	O	
GEOG XXXX	GEOG electives	3			
XXXX XXXX	General electives or minor coursework	9			

30 Credit Hours for Year

### Senior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG XXXX	GEOG electives	6			
XXXX XXXX	General electives or minor coursework	9			
<i>Spring Semester</i>					
GEOG 4600	Professional Development Seminar	1			
XXXX XXXX	General electives or minor coursework	12			

28 Credit Hours for Year

## SUGGESTED PLAN OF STUDY – B.S. IN GEOGRAPHY, URBAN & REGIONAL PLANNING

### Freshman Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1101	World Regional Geography	3			
ESCI 1101	Earth Science-Geography plus Laboratory	4	X		Fulfills General Edu. Natural Sci. Requirement
GEOG 1105	Location of Human Activity	3	X		Fulfills General Edu. Social Sci. Requirement
LBST 110X	Arts and Society	3	X		
UWRT 1101	Writing and Inquiry in Academic Contexts I	3	X		
<i>Spring Semester</i>					
GEOG 1103	Spatial Thinking	4			
XXXX XXXX	Natural Science without lab	3	X		
LBST 2101	Western Cultural and Historical Awareness	3	X		
UWRT 1102	Writing and Inquiry in Academic Contexts II	3	X		
MATH 110X	Mathematics course	3	X		

**32 Credit Hours for Year**

### Sophomore Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1110	Introduction to Urban and Regional Planning	3			
GEOG 2110	Introduction to Geographic Research	3			
LBST 2102	Global and Intercultural Connections	3	X		
MATH/STAT	MATH/STAT above 1103 (e.g. STAT 1220 or 1222)	3	X		Fulfills Mathematics Requirement
XXXX 1201	FORL 1201 Foreign Language (or proficiency)	4			CLAS requirement
<i>Spring Semester</i>					
ENGL 2116	Introduction to Technical Communication	3	X	W	
GEOG 3120	Fundamentals of Geographic Information Systems	4			GEOG 1103 and GEOG 2110 are pre-requisites
LBST 221X	Ethics and Cultural Critique	3	X		
XXXX 1202	FORL 1202 Foreign Language (or proficiency)	4			CLAS requirement

**30 Credit Hours for Year**

### Junior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG XXXX	GEOG planning electives W requirement	3	X	W	GEOG 3115 or 3215
GEOG XXXX	GEOG planning elective	3			e.g. GEOG 3200, 3205, 3210, 4209, 4210
XXXX XXXX	General electives or minor coursework	9			
<i>Spring Semester</i>					
GEOG 2165	Patterns of World Urbanization	3	X	O	
GEOG XXXX	GEOG planning electives	3			
XXXX XXXX	General electives or minor coursework	9			

**30 Credit Hours for Year**

### Senior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG XXXX	GEOG planning electives	6			e.g. GEOG 3200, 3205, 3210, 4209, 4210
XXXX XXXX	General electives or minor coursework	9			
<i>Spring Semester</i>					
GEOG 4600	Professional Development Seminar	1			
XXXX XXXX	General electives or minor coursework	12			

**28 Credit Hours for Year**

## SUGGESTED PLAN OF STUDY – B.S. IN GEOGRAPHY, URBAN, SOCIAL AND ECONOMIC (USE)

### Freshman Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1101	World Regional Geography	3			
ESCI 1101	Earth Science-Geography plus Laboratory	4	X		Fulfills General Edu. Natural Sci. Requirement
GEOG 1105	Location of Human Activity	3	X		Fulfills General Edu. Social Sci. Requirement
LBST 110X	Arts and Society	3	X		
UWRT 1101	Writing and Inquiry in Academic Contexts I	3	X		
<i>Spring Semester</i>					
GEOG 1103	Spatial Thinking	4			
XXXX XXXX	Natural Science without lab	3	X		
LBST 2101	Western Cultural and Historical Awareness	3	X		
UWRT 1102	Writing and Inquiry in Academic Contexts II	3	X		
MATH 110X	Mathematics course	3	X		
					<b>32 Credit Hours for Year</b>

### Sophomore Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1110	Introduction to Urban and Regional Planning	3			
GEOG 2110	Introduction to Geographic Research	3			
LBST 2102	Global and Intercultural Connections	3	X		
MATH/STAT	MATH/STAT above 1103 (e.g. STAT 1220 or 1222)	3	X		Fulfills Mathematics Requirement
XXXX 1201	FORL 1201 Foreign Language (or proficiency)	4			CLAS requirement
<i>Spring Semester</i>					
ENGL 2116	Introduction to Technical Communication	3	X	W	
GEOG 3120	Fundamentals of Geographic Information Systems	4			GEOG 1103 and GEOG 2110 are pre-requisites
LBST 221X	Ethics and Cultural Critique	3	X		
XXXX 1202	FORL 1202 Foreign Language (or proficiency)	4			CLAS requirement
					<b>30 Credit Hours for Year</b>

### Junior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG XXXX	GEOG USE elective	3			See advisor for course listings
GEOG XXXX	GEOG USE elective	3			See advisor for course listings
XXXX XXXX	General electives or minor coursework	9			
<i>Spring Semester</i>					
GEOG 2165	Patterns of World Urbanization	3	X	O	
GEOG 2105	Introduction to Economic Geography	3			
XXXX XXXX	General electives or minor coursework	9			
					<b>30 Credit Hours for Year</b>

### Senior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG XXXX	GEOG USE electives	6			See advisor for course listings
XXXX XXXX	General electives or minor coursework	9			
<i>Spring Semester</i>					
GEOG 4600	Professional Development Seminar	1			
GEOG 4108	Sport, Place & Development	3	X	W	GEOG 1105 is pre-requisite
XXXX XXXX	General electives or minor coursework	9			
					<b>28 Credit Hours for Year</b>

## SUGGESTED PLAN OF STUDY – B.S. IN GEOGRAPHY, GISCIENCE AND TECHNOLOGY (GIS&T)

### Freshman Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1101	World Regional Geography	3			
ESCI 1101	Earth Science-Geography plus Laboratory	4	X		Fulfills General Edu. Natural Sci. Requirement
GEOG 1105	Location of Human Activity	3	X		Fulfills General Edu. Social Sci. Requirement
LBST 110X	Arts and Society	3	X		
UWRT 1101	Writing and Inquiry in Academic Contexts I	3	X		
<i>Spring Semester</i>					
GEOG 1103	Spatial Thinking	4			
XXXX XXXX	Natural Science without lab	3	X		
LBST 2101	Western Cultural and Historical Awareness	3	X		
UWRT 1102	Writing and Inquiry in Academic Contexts II	3	X		
MATH 110X	Mathematics course	3	X		

32 Credit Hours for Year

### Sophomore Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 1110	Introduction to Urban and Regional Planning	3			
GEOG 2110	Introduction to Geographic Research	3			
LBST 2102	Global and Intercultural Connections	3	X		
MATH/STAT	MATH/STAT above 1103 (e.g. STAT 1220 or 1222)	3	X		Fulfills Mathematics Requirement
XXXX 1201	FORL 1201 Foreign Language (or proficiency)	4			CLAS requirement
<i>Spring Semester</i>					
ENGL 2116	Introduction to Technical Communication	3	X	W	
GEOG 3120	Fundamentals of Geographic Information Systems	4			GEOG 1103 and GEOG 2110 are pre-requisites
LBST 221X	Ethics and Cultural Critique	3	X		
XXXX 1202	FORL 1202 Foreign Language (or proficiency)	4			CLAS requirement

30 Credit Hours for Year

### Junior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG 2102	Introduction to Cartographic Design	4			
GEOG/ESCI XXXX	GISc&T Techniques Elective	3			See advisor for course listing
XXXX XXXX	General electives or minor coursework	8			
<i>Spring Semester</i>					
GEOG 2165	Patterns of World Urbanization	3	X	O	
GEOG/ESCI XXXX	GISc&T Techniques or Applications Elective	3	X	W	See advisor for course listing
XXXX XXXX	General electives or minor coursework	9			

30 Credit Hours for Year

### Senior Year

Course Number	Course Title	Credit Hours	General Education	W/O Course	Notes
<i>Fall Semester</i>					
GEOG/ESCI XXXX	GISc&T Techniques or Applications Elective	3			See advisor for course listing
GEOG XXXX	GEOG elective writing intensive requirement	3	X	W	
XXXX XXXX	General electives or minor coursework	9			
<i>Spring Semester</i>					
GEOG 4600	Professional Development Seminar	1			
GEOG XXXX	GEOG elective	3			
XXXX XXXX	General electives or minor coursework	9			

29 Credit Hours for Year

## ADVISING RESOURCES

- General Education Requirements for ALL Students: [ucol.uncc.edu/general-education](http://ucol.uncc.edu/general-education)
- Undergraduate Catalog: [catalog.uncc.edu](http://catalog.uncc.edu)
- Central Advising website: [advising.uncc.edu](http://advising.uncc.edu)
- College of Liberal Arts & Sciences advising website: [clas.uncc.edu/students/Advising-News/](http://clas.uncc.edu/students/Advising-News/)
- University Advising Center website: [advisingcenter.uncc.edu](http://advisingcenter.uncc.edu)