

**Degree: Geography, B.S.: Spatial Techniques Concentration 21-22**

Requirement Area	Course	Course Title	Prerequisites	Units
<b>First Semester (FALL)</b>				
E	GS 101A	Foundations of Success I		1
A1				3
B1 and LD Major	GEOG 110	Physical Geography: Earth Processes and Outcomes		3
B4				3
D1 and LD Major	ENVT 101 or ANTH 130	Envt. Challenges 21st c. or Intro to Cultural Anth		3
			<b>Total:</b>	<b>13</b>
<b>Second Semester (SPRING)</b>				
E	GS 101B	Foundations of Success II		1
A2	ENGL 102			3
C2				3
D2				3
LD Major	GEOG 120	Human Geography: Diversity and Globalization		3
			<b>Total:</b>	<b>13</b>
<b>Third Semester (FALL)</b>				
E				1
A3	PHIL 100	Workshop in Critical Thinking		3
Add'l C1 or C2*				3
B2/B3				3
Second Composition				3
LD Major	GEOG 125	World Regions and Development		3
			<b>Total:</b>	<b>16</b>
<b>Fourth Semester (SPRING)</b>				
F		Ethnic Studies		3
C1				3
Code 1				3
LD Major	GEOG 200	Sustainable Resource Management		3
LD Major	GEOG 225	Fundamentals of GIS		3
			<b>Total:</b>	<b>15</b>
<b>Fifth Semester (FALL)</b>				
UD-B				3
Code 2				3
UD Major	GEOG 310	Literature and Research Methods	Department consent and ENVT 101 or GEOG 125	4
Concentration	GEOG	Concentration		3
Elective/Overlay				3
			<b>Total:</b>	<b>16</b>
<b>Sixth Semester (SPRING)</b>				
UD-D				3
Concentration	GEOG	Concentration		3
Elective/Overlay				3
Elective				3
Elective				3
			<b>Total:</b>	<b>15</b>
<b>Seventh Semester (FALL)</b>				
UD-C				3
UD Major/Sustainability Overlay	GEOG 340	Climate Change	Completion of GE areas A1, A2, A3 and B4	3
Concentration	GEOG	Concentration		3
Elective				3
Elective				3
			<b>Total:</b>	<b>15</b>
<b>Eighth Semester (SPRING)</b>				
UD Major	GEOG 425	Advanced GIS	GEOG 225	3
UD Major	GEOG 499	Senior Seminar in Geography	Senior standing, and declared Geography or Environmental Studies major	3
Concentration	GEOG	Concentration		3-4
Elective				3
Elective				3
Elective				1-2
			<b>Total:</b>	<b>17</b>
<b>Total Units:</b>				<b>120</b>

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.

**CSUEB General Breadth and Graduation Requirement Checklist**

<b>Area A (9 units): Communication in the English Language &amp; Critical Thinking (Must earn passing grade of C-/CR or better)</b>
<input type="checkbox"/> <a href="#">A1. COMM 100 or 104, MLL 111</a>
<input type="checkbox"/> <a href="#">A2. ENGL 101, 102, or 104</a>
<input type="checkbox"/> <a href="#">A3. PHIL 100</a>
<b>Area B (9 units) : Scientific Inquiry &amp; Quantitative Reasoning</b>
<input type="checkbox"/> <a href="#">B1. Physical Science</a>
<input type="checkbox"/> <a href="#">B2. Life Science</a>
<input type="checkbox"/> <a href="#">B3. Laboratory Activity</a>
<input type="checkbox"/> <a href="#">B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.)</a>
<b>Area C (9 units): Arts &amp; Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ART, THEA, MUS)</b>
<input type="checkbox"/> <a href="#">C1. Arts</a>
<input type="checkbox"/> <a href="#">C2. Humanities</a>
<input type="checkbox"/> *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2)
<b>Area D (6 units) : Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)</b>
<input type="checkbox"/> <a href="#">D1.</a>
<input type="checkbox"/> <a href="#">D2.</a>
<b>Area E (3 units) : Lifelong Learning and Self-Development</b>
<input type="checkbox"/> <a href="#">E.</a>
<b>Area F (3 units): Ethnic Studies</b>
<input type="checkbox"/> <a href="#">F.</a>
<b>Second Composition : Requires completion of GE A2 with a C-/CR or better. Must be completed before attaining junior standing.</b>
<input type="checkbox"/> <a href="#">Second Composition</a>
<b>U.S. Code (American Institutions Requirement) - Two courses (6 units) covering three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State &amp; Local Government).</b>
<input type="checkbox"/> <a href="#">Code 1.</a>
<input type="checkbox"/> <a href="#">Code 2.</a>
<b>Upper Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR)</b>
<input type="checkbox"/> <a href="#">UD-B. Upper-division Science Inquiry and Quantitative</a>
<input type="checkbox"/> <a href="#">UD-C. Upper-division Arts OR Humanities</a>
<input type="checkbox"/> <a href="#">UD-D. Upper-division Social Sciences</a>
<b>Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major</b>
<input type="checkbox"/> <a href="#">Diversity (Div)</a>
<input type="checkbox"/> <a href="#">Social Justice (SJ)</a>
<input type="checkbox"/> <a href="#">Sustainability (S)</a>
<b>Spatial Techniques Concentration</b>
The Spatial Techniques concentration consists of 12-13 units. Students must choose four (4) of the following courses:
GEOG 320 - Environmental Resource Analysis Units: 4
GEOG 360 - Computer Cartography Units: 3
GEOG 380 - Applied Field Studies Units: 3
GEOG 461 - Remote Sensing of the Environment Units: 3
GEOG 462 - Air Photo Interpretation Units: 3