

Degree: Geography, B.S.: Spatial Techniques Concentration 22-23

Requirement Area	Course	Course Title	Prerequisites	Units
First Semester (FALL)				
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
			Total:	13
Second Semester (SPRING)				
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
			Total:	13
Third Semester (FALL)				
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
			Total:	16
Fourth Semester (SPRING)				
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
			Total:	15
Fifth Semester (FALL)				
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
			Total:	16
Sixth Semester (SPRING)				
UD-D				3
Concentration	GEOG	Concentration		3
Elective/Overlay				3
Elective				3
Elective				3
			Total:	15
Seventh Semester (FALL)				
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
			Total:	15
Eighth Semester (SPRING)				
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
			Total:	17
Total Units:				120

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	
Area A (9 units): Communication in the English Language & Critical Thinking (Must earn passing grade of C-/CR or better)	
<input type="checkbox"/>	A1. COMM 100 or 104, MLL 111
<input type="checkbox"/>	A2. ENGL 101, 102, or 104
<input type="checkbox"/>	A3. PHIL 100
Area B (9 units): Scientific Inquiry & Quantitative Reasoning	
<input type="checkbox"/>	B1. Physical Science
<input type="checkbox"/>	B2. Life Science
<input type="checkbox"/>	B3. Laboratory Activity
<input type="checkbox"/>	B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.)
Area C (9 units): Arts & Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, THEA, MUS)	
<input type="checkbox"/>	C1. Arts
<input type="checkbox"/>	C2. Humanities
<input type="checkbox"/>	*Additional Lower-division Area C Course in Arts (C1) or Humanities (C2)
Area D (6 units): Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)	
<input type="checkbox"/>	D1.
<input type="checkbox"/>	D2.
Area E (3 units): Lifelong Learning and Self-Development	
<input type="checkbox"/>	E.
Area F (3 units): Ethnic Studies	
<input type="checkbox"/>	F.
Second Composition: Requires completion of GE A2 with a C-/CR or better. Must be completed before attaining junior standing.	
<input type="checkbox"/>	Second Composition
U.S. Code (American Institutions Requirement) - Two courses (6 units) covering	
<input type="checkbox"/>	Code 1.
<input type="checkbox"/>	Code 2.
Upper Division GE Requirements (9 units): Should be taken after completion of	
<input type="checkbox"/>	UD-B. Upper-division Science Inquiry and Quantitative Reasoning
<input type="checkbox"/>	UD-C. Upper-division Arts OR Humanities
<input type="checkbox"/>	UD-D. Upper-division Social Sciences
Overlay Requirements (9 units): Courses may be upper or lower division, and	
<input type="checkbox"/>	Diversity (Div)
<input type="checkbox"/>	Social Justice (SJ)
<input type="checkbox"/>	Sustainability (S)
Spatial Techniques Concentration	
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	

*Students are required to take a minimum of 40 semester units as upper division (includes 9 units upper division GE)