Requirement Area	Course	ography, B.S.: Resources and Sustainability Concentration  Course Title	Prerequisites	Units
		First Semester		
		Introduction to the Earth, Environmental and Sustainability		
Recommended	EESC 133	Sciences for Majors		1
Major	EESC 297	Introductory Field Experience		1
1A				3
5A and LD Major	EESC 210	Physical and Environmental Geology and Geography		3
Area 4/LD Major	GEOG 120	Human Geography: Diversity and Globalization		3
Free Elective				3
			Total:	14
		Second Semester		
1C		Second Semester		3
Area 2				3
LD Major	EESC 211	Historical Coology and Coography		3
		Historical Geology and Geography		
Area 4/LD Major	GEOG 125		T	3
	1		Total:	12
		Third Semester		
1B/Second Comp		Jeniestei		3
5B/5C	<u> </u>			3
35,30	<del>                                     </del>			1
Area 6		Ethnic Studies		3
3B				3
Free Elective	<b>†</b>			3
THE EIGUIVE			Total:	15
			Total.	1.
		Fourth Semester		
Free Elective				1 :
3A				1
3A				
Code 1				3
Free Elective				3
Free Elective				3
			Total:	15
		Fifth Semester		
UD-Area 5/Overlay		Titti Scinestei		3
Code 2	FFCC 207	Advanced Field Forestone	FFCC 207	3
UD Major	EESC 397	Advanced Field Experience	EESC 297	
	=======	Literature and Research Methods	EESC 280 or GEOG 125	4
IID Major				-
UD Major	EESC 310			
		Introduction to GIS in Earth, Environmental and Sustainability Sciences		3
UD Major	EESC 360	Sciences		
UD Major UD Major UWR				
UD Major			Total:	3
UD Major				3
UD Major UWR		Sciences		16
UD Major UWR		Sciences		16
UD Major UWR UD-Area 4/Overlay	EESC 360	Sciences  Sixth Semester		16
UD Major UWR		Sciences		16
UD Major UWR UD-Area 4/Overlay Concentration	EESC 360  GEOG	Sixth Semester  Concentration		16
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration	EESC 360	Sciences  Sixth Semester		16
UD Major UWR UD-Area 4/Overlay	EESC 360  GEOG	Sixth Semester  Concentration		16
UD Major UWR  UD-Area 4/Overlay Concentration Concentration	EESC 360  GEOG	Sixth Semester  Concentration		3 3 16 3 3 4 4 4
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective	EESC 360  GEOG	Sixth Semester  Concentration		3 3 4 4
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective	EESC 360  GEOG	Sixth Semester  Concentration	Total:	3 3 3 4 4 4 3 3
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective	EESC 360  GEOG	Sixth Semester  Concentration  Concentration	Total:	3 3 4 4 4 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3	EESC 360  GEOG	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change	Total:	3 16 3 2 4 4 3 17
UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3  UD Major/Sus	GEOG GEOG EESC 420	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability	Total:	3 3 3 4 4 4 4 5 3 5 5 5 5 5 5 5 5 5 5 5
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3  UD Major/Sus  UD Major	GEOG GEOG EESC 420 EESC 460	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences	Total:	3 3 4 4 4 5 3 17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3 UD Major/Sus  UD Major Concentration	GEOG GEOG EESC 420	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability	Total:	16 3 3 4 4 4 17 3 3 3 3
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3  UD Major/Sus  UD Major	GEOG GEOG EESC 420 EESC 460	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences	Total:	10 10 11 11 11 11 11 11 11 11 11 11 11 1
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3 UD Major/Sus  UD Major Concentration	GEOG GEOG EESC 420 EESC 460	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration	Total:	3 3 4 4 4 5 3 17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3 UD Major/Sus  UD Major Concentration	GEOG GEOG EESC 420 EESC 460	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration  Eighth Semester	Total:	10 10 11 11 11 11 11 11 11 11 11 11 11 1
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3 UD Major/Sus  UD Major Concentration	GEOG GEOG EESC 420 EESC 460	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration  Eighth Semester  Capstone Seminar in Earth, Environmental and Sustainability	Total:	
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  Free Elective  UD-Area 3 UD Major/Sus  UD Major  Concentration  Free Elective	GEOG GEOG EESC 420 EESC 460 GEOG	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration  Eighth Semester	Total:  Total:  Total:	10
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  UD-Area 3 UD Major/Sus  UD Major  Concentration  Free Elective	GEOG GEOG EESC 420 EESC 460 GEOG	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration  Eighth Semester  Capstone Seminar in Earth, Environmental and Sustainability Sciences	Total:	16 16 16 16 16 16 16 16 16 16 16 16 16 1
UD Major UWR  UD-Area 4/Overlay  Concentration Concentration Free Elective  UD-Area 3 UD Major/Sus  UD Major Concentration Free Elective	GEOG GEOG EESC 420 EESC 460 GEOG	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration  Eighth Semester  Capstone Seminar in Earth, Environmental and Sustainability	Total:  Total:  Total:	3 5 5 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  UD-Area 3 UD Major/Sus  UD Major  Concentration  Free Elective	GEOG GEOG EESC 420 EESC 460 GEOG	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration  Eighth Semester  Capstone Seminar in Earth, Environmental and Sustainability Sciences	Total:  Total:  Total:	
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  UD-Area 3  UD Major Concentration  Free Elective  UD Major Concentration  Free Elective	GEOG GEOG EESC 420 EESC 460 GEOG	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration  Eighth Semester  Capstone Seminar in Earth, Environmental and Sustainability Sciences	Total:  Total:  Total:	
UD Major UWR  UD-Area 4/Overlay  Concentration  Concentration  Free Elective  UD-Area 3 UD Major/Sus  UD Major  Concentration  Free Elective	GEOG GEOG EESC 420 EESC 460 GEOG	Sixth Semester  Concentration  Concentration  Seventh Semester  Global Climate Change Advanced GIS in Earth, Environmental and Sustainability Sciences Concentration  Eighth Semester  Capstone Seminar in Earth, Environmental and Sustainability Sciences	Total:  Total:  Total:	

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 1 (9 units): English Communication
☐ 1A - Lower Division English Composition
☐ 1B - Lower Division Critical Thinking and Composition
☐ 1C - Lower Division Critical Trilliking and Composition
Area 2 (3 units): Mathematical Concepts and Quantitative Reasoning
☐ Area 2 - Mathematical Concepts and Quantitative Reasoning
Area 3 (6 units): Arts & Humanities - Minimum of two different
disciplines as designated by course prefix (e.g., ART, THEA, MUS)
☐ 3A - Arts and Humanities (Arts)
☐ 3B - Arts and Humanities (Humanities)
Area 4 (6 units): Social and Behavioral Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)
☐ Area 4 - Lower Division Social and Behavioral Sciences
☐ Area 4 - Lower Division Social and Behavioral Sciences
Area 5 (7 units): Physical and Biological Sciences
☐ 5A - Lower Division Physical and Biological Sciences (Physical)
☐ 5B - Lower Division Physical and Biological Sciences (Biological)
$\square$ 5C - Lower Division Physical and Biological Sciences (Laboratory)
May be embedded in 5A or 5B course, as long as 7 units met for lower-
division Subject Area 5.
Area 6 (3 units): Ethnic Studies
☐ Area 6 - Ethnic Studies
Second Composition : Second Composition (Required as part of 1B
for 2025-26 or later catalog)
□ Second Composition
University Writing Requirement (3-4 units)
UWR
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 & Local Government).
□ Code 1
□ Code 2
Upper Division GE Requirements (9 units): Should be taken after
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)  Resources and Sustainability Concentration
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)  Resources and Sustainability Concentration  The Resources and Sustainability concentration consists of 12 units. Students
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)  Resources and Sustainability Concentration  The Resources and Sustainability concentration consists of 12 units. Students must choose four (4) of the following courses:  EESC 445 - Water and Watershed Resources Units: 3; G.E./G.R. Area: UD-Area 5 EESC 455 - Sustainable Food Systems Units: 3; G.E./G.R. Area: UD-Area 4;
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)  Resources and Sustainability Concentration  The Resources and Sustainability concentration consists of 12 units. Students must choose four (4) of the following courses:  EESC 445 - Water and Watershed Resources Units: 3; G.E./G.R. Area: UD-Area 5  EESC 445 - Sustainable Food Systems Units: 3; G.E./G.R. Area: UD-Area 4; Sustainability
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)  Resources and Sustainability Concentration  The Resources and Sustainability concentration consists of 12 units. Students must choose four (4) of the following courses:  EESC 445 - Water and Watershed Resources Units: 3; G.E./G.R. Area: UD-Area 5; EESC 445 - Sustainability God Systems Units: 3; G.E./G.R. Area: UD-Area 4; Sustainability  GEOG 375 - Fire Ecology and Management Units: 3
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)  Resources and Sustainability Concentration  The Resources and Sustainability concentration consists of 12 units. Students must choose four (4) of the following courses:  EESC 445 - Water and Watershed Resources Units: 3; G.E./G.R. Area: UD-Area 5  EESC 445 - Sustainable Food Systems Units: 3; G.E./G.R. Area: UD-Area 4; Sustainability
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)  Resources and Sustainability Concentration  The Resources and Sustainability concentration consists of 12 units. Students must choose four (4) of the following courses:  EESC 445 - Water and Watershed Resources Units: 3; G.E./G.R. Area: UD-Area 5;  EESC 445 - Fire Ecology and Management Units: 3  GEOG 375 - Fire Ecology and Management Units: 3; G.E./G.R. Area: UD-Area 5  GEOG 447 - Energy, Climate and Society Units: 3; G.E./G.R. Area: UD-Area 5;
completion of 1A, 1B, 1C, and Area 2 with a C- (CR)  UD- Area 3 - Upper Division Arts or Humanities  UD- Area 4 - Upper Division Social and Behavioral Sciences  UD- Area 5 - Upper Division Science or Mathematical Concepts/Quantitative Reasoning  Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major  Diversity (Div)  Social Justice (SJ)  Sustainability (S)  Resources and Sustainability Concentration  The Resources and Sustainability concentration consists of 12 units. Students must choose four (4) of the following courses:  EESC 445 - Water and Watershed Resources Units: 3; G.E./G.R. Area: UD-Area 5  EESC 445 - Sustainable Food Systems Units: 3; G.E./G.R. Area: UD-Area 4; Sustainability  GEOG 375 - Fire Ecology and Management Units: 3  GEOG 445 - Water and Watershed Resources Units: 3; G.E./G.R. Area: UD-Area 5

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