CSULB College of Liberal Arts Advising Center

2026 - 2027 Bachelor of Science in Geography
46 - 53 Units

Use this checklist in combination with your official Academic Requirements Report (ARR). This checklist is not intended to replace advising. Consult the advisor for appropriate course sequencing. *Curriculum changes in progress. Requirements subject to change.*

To be considered for admission to the major, complete the following Major Specific Degree Requirements (MSDR) by 60 units:
• Minimum 2.0 overall GPA • Grades of "C" or better in GE Foundations, Arts and Humanities (Area 3), and Social and Behavioral Sciences (Area 4) • First-Time, First Years (Freshmen) who began in Fall 2021 or later: Grade of "C" or better in Ethnic Studies (Area 6)

	Courses	Prerequisites
Complete **ONE** of the following courses (3 units total):		
	GEOG 100: World Regional Geography (3)	Corequisite: One GE Foundation
	GEOG 120: Race, Place, and Culture (3)	
	GEOG/PSY 175: My Neighborhood, Our City (3)	Corequisite: One GE Foundation
Complete **ONE** of the following courses (3 - 4 units total):		
	GEOG/E SP 101: The Global Environment (3)	
	GEOG 130: Geography of Weather and Climate (4)	
	GEOG 140: Introduction to Physical Geography (3)	
Complete **ALL** of the following courses (6 units total):		
	GEOG 200: Introduction to Research Methods for Geographers (3)	
	GEOG 280: Introduction to Geospatial Techniques (3)	

Complete **ALL** of the following courses with grades of "C" or better (12 units total):		
	GEOG 300: Research Design in Geography (3)	GEOG 200 and 280
	GEOG 340: Environmental Geography (3)	Corequisite: GEOG/ES P 101 or GEOG 130 or 135 or 140 or ES P 200; or Consent
	GEOG 360: Human Geography (3)	GEOG 100 or 120 or GEOG/PSY 175
	GEOG 380: Introduction to Digital Cartography and Analysis (3)	
Specialization Pathway - Complete the requirements from **ONE** of the following specializations with grades of "C" or better (22 - 28 units total):		
Urban Pathway		
Complete **ALL** of the following courses with grades of "C" or better (9 units total):		
	GEOG 446: Land Use Planning (3)	
	GEOG 467: Urban Geography: Metropolitan Problems & Solutions (3)	
	GEOG 469: Cities and Social Justice (3)	
Complete **ONE** of the following courses with grades of "C" or better (3 - 4 units total):		
	GEOG 471: Geographic Information Science (GISci) for Justice (3)	Upper Division Standing
	GEOG 485: Principles of Geographic Information Science (4)	GEOG 280 or 371 or 481; or Consent of Instructor
Complete **TWO** of the following courses with grades of "C" or better (6 - 8 units total):		
	GEOG 464: Urban Geography: Sustainable Cities (3)	
	GEOG 465: Social Geography (3)	
	GEOG 482: Advanced Digital Cartography and GIS (4)	GEOG 200 or Equivalent; GEOG 380; or Consent
	GEOG 487B: Urban GIS (4)	Corequisite: GEOG 485; or Consent of Instructor
	GEOG 488: Geographic Information Science (GIS) Programming (4)	Corequisite: GEOG 485; or Consent of Instructor
	GEOG/E SP 492: Applied Internship (3)	Upper Division Standing; GEOG & E SP Majors Only
Complete the following course with a grade of "C" or better (4 units total):		
	GEOG 402: Qualitative Research Methods (4)	

	Courses	Prerequisites
Environmental Pathway		
Complete **ALL** of the following courses with grades of "C" or better (11 units total):		
	GEOG/ES P 330: California Ecosystems (3)	GEOG/ES P 101 or GEOG 130 or 135 or 140 or ES P 200; GEOG 200 or BIOL 260; or Consent
	GEOG 473: Remote Sensing for Environment and Society (4)	
	GEOG 481: Geographic Information Science for Natural Sciences (4)	GEOG 135 or 140 or BIOL 153 or ERTH 102; Upper Division Standing; or Consent of Instructor
Complete **TWO** of the following courses with grades of "C" or better (6 units total):		
	GEOG 440: Land and Water Resources (3)	GEOG/ES P 101 or GEOG 130 or 135 or 140 or 340 or ERTH 280 or ES P 200; or Consent of Instructor
	GEOG 442: Biogeography (3)	Corequisite: GEOG/ES P 330
	GEOG 444: Climatology (3)	
	GEOG 447: Landscape Restoration (3)	Corequisite: GEOG/ES P 330
	GEOG 448: Environmental Assessment (3)	
	GEOG 455: People as Agents of Environmental Change (3)	
	GEOG 458: Hazards and Risk Management (3)	
Complete **ONE** of the following courses not previously completed with a grade of "C" or better (3 - 4 units total):		
	GEOG 400: Spatial Data Science (4)	GEOG 200 or Stats Equivalent; or Consent
	GEOG 440: Land and Water Resources (3)	GEOG/ES P 101 or GEOG 130 or 135 or 140 or 340 or ERTH 280 or ES P 200; or Consent of Instructor
	GEOG 442: Biogeography (3)	Corequisite: GEOG/ES P 330
	GEOG 444: Climatology (3)	
	GEOG 447: Landscape Restoration (3)	Corequisite: GEOG/ES P 330
	GEOG 448: Environmental Assessment (3)	
	GEOG 455: People as Agents of Environmental Change (3)	
	GEOG 458: Hazards and Risk Management (3)	
	GEOG 475: Geographical Applications in Remote Sensing (4)	
	GEOG 485: Principles of Geographic Information Science (4)	GEOG 280 or 371 or 481; or Consent of Instructor
	GEOG 487A: Environmental GIS (4)	Corequisite: GEOG 481 or 485; or Consent
	GEOG/E SP 492: Applied Internship (3)	Upper Division Standing; GEOG & E SP Majors Only
Complete the following course with a grade of "C" or better (4 units total):		
	GEOG 486: Field Methods in Landscape Analysis (4)	Upper Division Standing
Geospatial Pathway		
Complete **ALL** of the following courses with grades of "C" or better (12 units total):		
	GEOG 400: Spatial Data Science (4)	GEOG 200 or Stats Equivalent; or Consent
	GEOG 473: Remote Sensing for Environment and Society (4)	
	GEOG 485: Principles of Geographic Information Science (4)	GEOG 280 or 371 or 481; or Consent of Instructor
Complete **THREE** of the following courses with grades of "C" or better (11 - 12 units total):		
	GEOG 475: Geographical Applications in Remote Sensing (4)	
	GEOG 482: Advanced Digital Cartography and GIS (4)	GEOG 200 or Equivalent; GEOG 380; or Consent
	GEOG 484: Enterprise GIS Development (4)	GEOG 280 or 371 or 471 or 481 or 485; or Consent
	GEOG 487A: Environmental GIS (4)	Corequisite: GEOG 481 or 485; or Consent
	GEOG 487B: Urban GIS (4)	Corequisite: GEOG 485; or Consent of Instructor
	GEOG 488: Geographic Information Science (GIS) Programming (4)	Corequisite: GEOG 485; or Consent of Instructor
	GEOG/E SP 492: Applied Internship (3)	Upper Division Standing; GEOG & E SP Majors Only
Complete **ONE** the following courses with a grade of "C" or better (4 units total):		
	GEOG 487A: Environmental GIS (4)	Corequisite: GEOG 481 or 485; or Consent
	GEOG 487B: Urban GIS (4)	Corequisite: GEOG 485; or Consent of Instructor

In order to graduate from CSULB, students must complete General Education/GWAR/Major requirements and have a minimum of 120 units (40 must be upper division) with at least a 2.0 in all GPAs (Overall, CSULB, Major).

Additional Information

- **See online Catalog for additional course information, limitations, and requirements.**
- Some courses may also fulfill GE requirements. Visit the GE website for course selection: csulb.edu/student-records/general-education-requirements.
- A course can only be used to satisfy one major requirement. **Double counting is not allowed within the major.**

Department of Geography	csulb.edu/college-of-liberal-arts/geography
College of Liberal Arts Advising Center (ATLAS)	csulb.edu/atlas

Checklists are available on the ATLAS website