

2023 - 2024 Bachelor of Arts in Environmental Science and Policy**72 - 77 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 Requirements (MSR) by 60 units:

- **BIOL 200 or 211, MATH 115 or 119A or 122, EARTH 102 & 104, ECON 100** with grades of "C" or better and a minimum 2.5 overall GPA
- Grades of "C" or better in GE Foundations

Courses	Prerequisites
Complete ONE of the following courses with a grade of "C" or better (4 - 5 units total):	
BIOL 200: General Biology (4)	GE Math and One GE A Category
BIOL 211: Introduction to Evolution and Diversity (5)	Pre/Corequisite: CHEM 111A or 112A with a Grade of "C" or Better
Complete ALL of the following courses with grades of "C" or better (10 units total):	
ECON 100: Principles of Macroeconomics (3)	MATH 103 or Higher
ECON 101: Principles of Microeconomics (3)	MATH 103 or Higher
ERTH 102: Planet Earth (3) AND ERTH 104: Planet Earth Lab (1)	Corequisite: Concurrent or Prior Enrollment in EARTH 102 or 110
Complete ALL of the following courses (9 units total):	
ES P 200: California Environmental Issues (3)	Corequisites: EARTH 102 and 104 or GEOG 130 or 140 or ES P/GEOG 101; BIOL 200 or 211 or ECON 101; or Consent of Instructor
GEOG 200: Introduction to Research Methods for Geographers (3)	
ERTH 280: Water Resources and Society (3)	ERTH 102 and 104; Four Years of High School Math
Complete ONE of the following courses with a grade of "C" or better (3 - 5 units total):	
CHEM 111A: General Chemistry (5)	Corequisite: MATH 112B or Higher; CHEM 90 or 102 or 140 with "C" or Better or Appropriate Score in AP CHEM (2 or 3) or CHEM ALEKS or Other Measures <u>OR</u> Corequisite: MATH 119A or Higher
CHEM 112A: Advanced General Chemistry (5)	Department Consent
CHEM 140: General, Organic, and Biochemistry (5)	Pre-Nursing Majors; STAT 108 or 118 or HDEV 190 or PSY 110 or SOC 170 or MATH 112A or 113 or 119A or 122 with a Grade of "C" or Better
ERTH 191: Air and Water Pollution (3)	
Complete ONE of the following courses with a grade of "C" or better (3 - 4 units total):	
MATH 115: Calculus for Business (3)	MATH 112A with a Grade of "B" or Better; or MATH 112A and MATH 95 with a Grade of "C" or Better; or Appropriate CSULB Algebra and Calculus Placement
MATH 119A: Survey of Calculus I (3)	MATH 112B or 113 with a Grade of "C" or Better; or Appropriate CSULB Algebra and Calculus Placement
MATH 122: Calculus I (4)	MATH 111; MATH 112B or 113; All with Grades of "C" or Better; or Appropriate CSULB Algebra and Calculus Placement
Complete ONE of the following courses or any introductory Environmental Science or Studies Course (3 units total):	
ES P/GEOG 101: The Global Environment (3)	
GEOG 140: Introduction to Physical Geography (3)	
Any Introductory Environmental Science or Studies Course	
**See department advisor for appropriate substitutions.	

Complete ALL of the following courses (12 units total):		
	ES P 300: Environmental Law and Policy (3)	ES P 200 and Upper Division Standing; or Consent
	ES P/GEOG 330: California Ecosystems (3)	ES P/GEOG 101 or ES P 200 or GEOG 130 or 140; GEOG 200 or BIOL 260; or Consent of Instructor
	ES P 400: Environmental Science and Policy Capstone Project (3)	ES P Majors Only; Upper Division Standing; Passing Score on GPE (or Necessary Portfolio); BIOL 350 or ES P 330; ECON 306 or 462 or 463 or 464 or CE 406; ES P 300; GEOG 473 or 481; EARTH 300; Department Consent
	ERTH 300: Earth Systems and Global Change (3)	GE Foundations; Upper Division Standing; CHEM 100 or 111A or EARTH 102 or 106 or 110 or 160 with a Grade of "C" or Better
Complete ONE of the following courses (4 units total):		
	GEOG 473: Introduction to Earth Observation (4)	
	GEOG 481: Geographic Information Science for Natural Sciences (4)	GEOG 140 or BIOL 153 or EARTH 102; Upper Division Standing; or Consent of Instructor
ES P Specified Group 1: Humans and the Environment - Complete ONE of the following courses (3 units total):		
	GEOG 442: Biogeography (3)	Corequisite: ES P/GEOG 330
	GEOG 447: Landscape Restoration (3)	Corequisite: ES P/GEOG 330
	GEOG 455: People as Agents of Environmental Change (3)	
	GEOG 458: Hazards and Risk Management (3)	
ES P Specified Group 2: Land Use Policy and Planning - Complete ONE of the following courses (3 units total):		
	ES P 350: Environmental Politics (3)	Prerequisite: ES P 200; Corequisite: ES P 300
	GEOG 446: Land Use Planning (3)	
	POSC 328: Public Policy (3)	
	POSC 329: Cases in Public Policy Making (3)	
	POSC 431: Public Policy Analysis (3)	
	POSC 432: Public Values and Public Policy (3)	
ES P Specified Group 3: Social and Environmental History - Complete ONE of the following courses (3 units total):		
	ASAM 350: Environmental Justice (3)	GE Foundations; Upper Division Standing
	ENGL 444: Literature and Environment (3)	GE Foundations; Upper Division Standing; Passing Score on GPE (or Necessary Portfolio)
	ES P/GEOG 450: Environmental Sustainability and Social Justice (3)	Upper Division Standing
	HIST 464: Latin American Environmental History (3)	
	HIST 482: Recent American Environmental History (3)	
	WGSS 424: Gendering Environmental Justice (3)	GE Foundations; Upper Division Standing
ES P Specified Group 4: Applied Environmental Skills - Complete ONE of the following courses (3 - 4 units total):		
	ANTH 450: Archaeological Field Research (1 - 10)	
	BIOL 457: Field Methods in Ecology (3)	BIOL 260 and 350 with Grades of "C" or Better
	BIOL 459: Conservation Biology (3)	BIOL 260 and 350 with Grades of "C" or Better
	ENGL 444: Literature and Environment (3)	GE Foundations; Upper Division Standing; Passing Score on GPE (or Necessary Portfolio)
	ES P/GEOG 392: Climate Action and Sustainability at CSULB (3)	GE Foundations; Upper Division Standing
	ES P/GEOG 492: Applied Internship (3)	ES P or GEOG Majors Only; Upper Division Standing
	GEOG 443: Watersheds: Processes and Management (4)	ES P/GEOG 101 or GEOG 130 or 140 or ES P 200 or EARTH 280; or Consent of Instructor
	GEOG 448: Environmental Assessment (3)	
	GEOG 486: Field Methods in Landscape Analysis (4)	Passing Score on GPE (or Necessary Portfolio)
	HIST 482: Recent American Environmental History (3)	Upper Division Standing
	NSCI 492: Internships in Natural Science (3)	CNSM Major; Completion of 9 Units of Upper Division Science Coursework; 2.5 GPA Overall or 2.75 GPA in the Student's Major; Consent of Instructor

Environmental Economics (Choose 1 of 2 Options) (6 units total):		
Option 1 of 2		
	ECON 306: Environmental Issues of the World Economy (3)	ECON 101
	ECON 406: Applied Environmental and Natural Resource Economics (3)	ECON 306; MATH 115 or 119A or 119B or 122; BIOL 260 or ECON 380 or MATH 380 or STAT 108 or Equivalent
Option 2 of 2 (if completing a minor in Economics)		
	ECON 310: Microeconomic Theory (3)	ECON 100 and 101; MATH 115 or 119A or 122; All with Grades of "C" or Better
	ECON 462: Environmental Economics (3) OR ECON 464: Natural Resource Economics (3)	ECON 310 or 317 with a Grade of "C" or Better ECON 310 or 317 with a Grade of "C" or Better; BIOL 260 or ECON 380 or GEOG 200 or MATH 380 or STAT 108 or Equivalent
Environmental Science & Policy Approved Electives - Complete 6 UNITS of upper division coursework. See Catalog and ARR for the list of approved courses (6 units total):		
	Elective:	
	Elective:	

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/general-education.
- A course can only be used to satisfy one major requirement. Double counting is not allowed within the major.
- EARTH courses were formerly GEOL courses. Courses taken prior to Fall 2023 with the GEOL prefix are accepted if equivalent.

Department of Environmental Science and Policy	PH1-210	(562) 985-8432	cla.csulb.edu/programs/es-p
Dr. Christine Whitcraft, Program Director	HSCI-136	(562) 985-4820	christine.whitcraft@csulb.edu
Dr. Monica Argandoña, Major Advisor	FO5-210	(562) 985-7681	monica.argandona@csulb.edu
College of Liberal Arts Advising Center (ATLAS)	LA1-LO0102	(562) 985-7804	csulb.edu/atlas

Checklists are available on the [ATLAS website](#)