



2024 - 2025 Bachelor of Science in Environmental Science and Policy

83 - 84 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 211 & 212, CHEM 111A, MATH 119A or 122, EARTH 102 & 104, ECON 101** with grades of "C" or better and a minimum 2.5 overall GPA
- Grades of "C" or better in GE Foundations

Courses	Prerequisites
Complete ALL of the following courses with grades of "C" or better (7 units total):	
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 (6 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
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 - 4 units total):	
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 with a grade of "C" or better (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
Complete ONE of the following courses with a grade of "C" or better (5 units total):	
CHEM 111B: General Chemistry (5)	CHEM 111A or 112A; MATH 112B or Higher; All with Grades of "C" or Better
CHEM 112B: Advanced General Chemistry (5)	CHEM 112A with a Grade of "C" or Better
Complete ONE of the following courses (3 units total):	
CHEM 220A: Organic Chemistry I (3)	CHEM 111B or 112B with a Grade of "C" or Better
CHEM 227: Fundamentals of Organic Chemistry (3)	CHEM 111A or 112A with a Grade of "C" or Better
Complete ALL of the following courses with grades of "C" or better (16 units total):	
BIOL 211: Introduction to Evolution and Diversity (5)	Pre/Corequisite: CHEM 111A or 112A with a Grade of "C" or Better
BIOL 212: Introduction to Cell and Molecular Biology (4)	Prerequisites: BIOL 211; CHEM 111A or 112A with Grades of "C" or Better Corequisite: CHEM 111B or 112B
BIOL 213: Introduction to Ecology and Physiology (4)	BIOL 211 and 212; CHEM 111B or 112B; All with Grades of "C" or Better
BIOL 260: Biostatistics (3)	BIOL 201 or 207 or 211 or MICR 200; MATH 111 or 113 or 119A or 122; All with Grades of "C" or Better

Complete ONE of the following courses (4 units total):		
	PHYS 100A: General Physics (4)	One of the Following: MATH 109, 111, 112A, 113, 115, 119A, or 122
	PHYS 151: Mechanics and Heat (4)	Corequisite: MATH 122 or 123 or 224
Complete ALL the following courses (15 units total):		
	BIOL 350: General Ecology (3)	BIOL 211, 212, 213, 260; MATH 119A or 122; All with Grades of "C" or Better
	ECON 306: Environmental Issues of the World Economy (3)	ECON 101
	ES P 300: Environmental Law and Policy (3)	ES P 200 and Upper Division Standing; or Consent
	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 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

Environmental Science & Policy Approved Electives (15 units total):		
Complete 3 UNITS of social science electives. See Catalog and ARR for the list of approved courses (3 units total):		
	Elective:	
Complete 9 UNITS of natural science electives. See Catalog and ARR for the list of approved courses (9 units total):		
	Elective:	
	Elective:	
	Elective:	
Complete 3 UNITS of social science or natural science electives. See Catalog and ARR for the list of approved courses (3 units total):		
	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.
- CHEM 111A and 111B are part of a two-semester sequence and must be taken consecutively.
- If a transfer student took courses equivalent to BIOL 211, 212, or 213 at another institution without labs, they must take BIOL 211L, 212L, and 213L at CSULB.

Department of Environmental Science and Policy	LA1-127D	(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	LA1-127C	(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](#)