

2015-2016 Bachelor of Arts Environmental Science and Policy

72 - 75 Units



College of Liberal Arts
CSULB

This checklist is not intended to replace advising from the department. Consult with the department advisor for appropriate course sequencing. Use this checklist in combination with the Academic Requirements Report, which is the official graduation verification.

To declare the major, complete the following Major Specific Declaration Requirements (MSDR) by 60 units:

- Minimum 2.5 overall GPA
- The following major courses must be completed with a “C” or better: BIOL 200 or 211, GEOL 102 and 104, MATH 115 or 119A or 122, ECON 100
- Completion of GE Foundations

Prerequisites

Complete ONE of the following courses with a grade of “C” or better (4 units total):

BIOL 200: General Biology (4) GE: Life Science with Lab (B1a)	GE Foundations
BIOL 211: Introduction to Evolution and Diversity (4) GE: Life Science with Lab (B1a)	Corequisite: CHEM 111A 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) GE: Social Sciences and Citizenship (D2)	MATH 103 or Higher
ECON 101: Principles of Microeconomics (3) GE: Social Sciences and Citizenship (D2)	MATH 103 or Higher
GEOL 102: General Geology (3) GE: Physical Science with Lab (B1b) or (B1bNL)	Corequisites: GE Composition; Three Years of High School Math Including Algebra, Geometry, Intermediate Algebra, or Equivalent
GEOL 104: Geology Laboratory (1)	Corequisites: GE Composition; Three Years of High School Math Including Algebra, Geometry, Intermediate Algebra or Equivalent; Concurrent or Prior Enrollment in GEOL 102

Complete ALL of the following courses (9 units total):

GEOG 200: Introduction to Research Methods (3)	
ESP 200: California Environmental Issues (3)	Corequisites: GEOL 102 and 104 or GEOG 130 or 140; BIOL 200 or 211 or ECON 101 or 300; or Consent
GEOL 280: Water Resources and Society (3)	GEOL 102, 104; Four Years of High School Mathematics

Complete ONE of the following courses with a grade of “C” or better (3 - 5 units total):

CHEM 111A: General Chemistry (5) GE: Physical Science with Lab (B1b)	Pass Chemistry Placement Examination; MATH 113 or 115 or 119A or 122 with a Grade of “C” or Better
CHEM 140: General, Organic, and Biochemistry (5) GE: Physical Science with Lab (B1b)	Restricted to Pre-Nursing Majors; MATH 109 or 113 or 119A or 122 or STAT 108 with a Grade of “C” or Better; High School Chemistry or Equivalent
GEOL 191: Air and Water Pollution (3) GE: Physical Science without Lab (B1bNL)	Corequisite: GE Composition; Three Years of High School Math Including Algebra, Geometry, Intermediate Algebra, or Equivalent

Complete ONE of the following courses with a grade of “C” or better (3 - 4 units total):

MATH 115: Calculus for Business (3) GE: Mathematics/Quantitative Reasoning (B2)	Appropriate ELM Score, ELM Exemption, or MAPB 11
MATH 119A: Survey of Calculus I (3) GE: Mathematics/Quantitative Reasoning (B2)	Appropriate ALEKS Placement or MATH 113 with a Grade of “C” or Better
MATH 122: Calculus I (4) GE: Mathematics/Quantitative Reasoning (B2)	Appropriate ALEKS Placement or MATH 111 and 113 with Grades of “C” or Better

Complete ONE of the following courses or any introductory Environmental Science or Studies Course (3 units total):

GEOG 101: The Global Environment (3) GE: Global Issues; Life Science without Lab (B1aNL)	One GE Foundation
GEOG 140: Introduction to Physical Geography (3) GE: Physical Science without Lab (B1bNL)	Corequisite: One GE Foundation

Complete ALL of the following courses (12 units total):

ESP 300: Environmental Law and Policy (3)	ESP 200 and Upper Division Standing, or Consent
ESP 330: California Ecosystems (3)	GEOG 101 or 130 or 140 or ESP 200; GEOG 200 or STAT 108 or BIOL 260
ESP 400: Environmental Science and Policy Capstone Project (3) GE: Capstone (F)	BIOL 350 or ESP 330; ECON 462 or 463 or 464 or CE 406; ESP 300; GEOG 473 or 481; GEOL 300; Completion of GVAR Portfolio; or Consent
GEOL 300: Earth Systems and Global Change (3) GE: Global Issues; Capstone (F) or (B1bNL)	Upper Division Standing; CHEM 100 or 111A or GEOL 102 or GEOL 106 with a Grade of "C" or Better

Complete ONE of the following courses (3 units total):

ECON 310: Microeconomic Theory (3)	ECON 100 and 101; MATH 115 or 119A or 122; All with Grades of "C" or Better
ECON 317: Economic Analysis (3)	ECON 100, 101, and MATH 115 or 119A or 122

Complete ONE of the following courses (4 units total):

GEOG 473: Remote Sensing (4)	GEOG 200 or Equivalent; GEOG 280; or Consent
GEOG 481: Geographic Information Science for Natural Sciences (4)	Upper Division Standing; GEOG 140 or BIOL 153 or GEOL 102

Complete ONE of the following ESP Specified Group I courses (3 units total):

ECON 462: Environmental Economics (3)	ECON 310 with a Grade of "C" or Better
ECON 463: Energy Economics (3)	ECON 310 with a Grade of "C" or Better
ECON 464: Natural Resource Economics (3)	ECON 310 with a Grade of "C" or Better; ECON 380 or MATH 380 or BIOL 260 or STAT 108

Complete ONE of the following ESP Specified Group 2 courses (3 units total):

GEOG 442: Biogeography (3)	Corequisite: GEOG/ESP 330
GEOG 447: Landscape Restoration (3)	GEOG/ESP 330
GEOG 455: People as Agents of Environmental Change (3)	GEOG 340 or Consent of Instructor
GEOG 458: Hazards and Risk Management (3)	ESP 200 or GEOG 340 or Consent of Instructor

Complete ONE of the following ESP Specified Group 3 courses (3 units total):

GEOG 446: Land Use Planning (3)	
POSC 328: Public Policy (3) GE: Social Sciences and Citizenship (D2)	GE Foundations and POSC 100
POSC 329: Cases in Public Policy Making (3)	GE Foundations; POSC 100 and 328
POSC 431: Public Policy Analysis (3)	
POSC 432: Public Values and Public Policy (3)	

Complete ONE of the following ESP Specified Group 4 courses (3 units total):

ASAM 350: Environmental Justice (3) GE: Human Diversity; Social Sciences and Citizenship (D2)	GE Foundations
ENGL 444: Literature and Environment (3) GE: Capstone (F) or (C2)	Upper Division Standing
HIST 464: Latin American Environmental History (3) GE: Global Issues; Capstone (F)	Upper Division Standing and 3 Units Latin American Survey (HIST 161 or 364 or Equivalent); or Consent
HIST 482: Recent American Environmental History (3) GE: Capstone (F)	Upper Division Standing
WGSS 424: Women and Environmental Justice (3) GE: Global Issues; Social Sciences and Citizenship (D2)	Upper Division Standing

Complete ONE of the following ESP Specified Group 5 courses (3 units total):

ANTH 450: Archaeological Field Research (1 - 10)	Consent of Instructor
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: Capstone (F) or (C2)	Upper Division Standing
ESP/GEOG 392: Climate Action and Sustainability at CSULB (3) GE: Capstone (F)	Upper Division Standing
ESP 495: Applied Internship (3)	ESP Major, Upper Division Standing, and Consent
GEOG 443: Watersheds: Processes and Management (4)	ESP 200 or GEOG 340 or Consent of Instructor
GEOG 448: Environmental Assessment (3)	ESP 200 or GEOG 340 or Consent of Instructor
GEOG 486: Field Methods in Landscape Analysis (4) GE: Capstone (F)	Upper Division Standing; GEOG 340 or Equivalent; Consent of Instructor
GEOG 492: Applied Internship (3)	GEOG Major with Upper Division Standing and Consent of Instructor
HIST 482: Recent American Environmental History (3) GE: Capstone (F)	Upper Division Standing
NSCI 492: Internship (3)	NSCI Major, Completion of 9 Units of Upper Division Science Coursework, a 2.5 GPA overall or 2.75 GPA in the Student's Major, and Consent of Instructor

Electives

Complete **6 UNITS** of upper division coursework. See Catalog and ARR for the list of approved courses (6 units total):

Elective:	
Elective:	

See online Catalog for additional course information, limitations, and requirements.

<u>GPA Requirements</u>	<u>Unit Requirements</u>	<u>Class Unit Levels</u>
Minimum 2.0 for ALL of the following:	120 Overall units	0-29 units = Freshmen
<ul style="list-style-type: none"> ▪ Overall GPA ▪ CSULB GPA ▪ Cumulative Major/Minor GPA 	40 Upper Division units 30 CSULB units 24 Upper Division CSULB units	30-59 units = Sophomore 60-89 units = Junior/Upper Division Standing 90+ units = Senior
<u>Graduate Writing Assessment Requirement (GWAR)</u>		
Attempt the Writing Proficiency Exam (WPE) <u>before</u> 50 units. Transfer students must take the WPE during their first semester.		

Additional Information

- 13 units from the major department can double count with GE requirements. Courses in bold indicate GE requirements. Visit the GE website for course selection: csulb.edu/ge.

Department of Environmental Science and Policy
ATLAS Network/College of Liberal Arts Advising Center

Location: PH1-210
 Location: PH1-104

Phone Number: (562) 985-8432
 Phone Number: (562) 985-7804

File by 90!

File to graduate before your last semester.
 See the Enrollment Services website for deadlines: csulb.edu/enrollment.