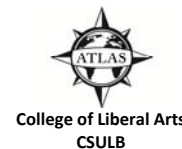


2015-2016 Bachelor of Science in Environmental Science and Policy

82 - 84 Units



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 211, BIOL 212, CHEM 111A, MATH 122, GEOL 102 and 104, ECON 101
- Completion of GE Foundations

Prerequisites

Complete ALL of the following courses with grades of “C” or better (29 units total):

BIOL 211: Introduction to Evolution and Diversity (4) GE: Life Science with Lab (B1a)	Corequisite: CHEM 111A with a Grade of “C” or Better
BIOL 212: Introduction to Cell and Molecular Biology (4)	Corequisite: CHEM 111B; Prerequisites: BIOL 211 and CHEM 111A with Grades of “C” or Better
BIOL 213: Introduction to Ecology and Physiology (4)	BIOL 211, 212, and CHEM 111B with Grades of “C” or Better
BIOL 260: Biostatistics (3)	BIOL 207 or BIOL 211 or MICR 200; MATH 111 or 113 or 119A or 122; All with Grades of “C” or Better
CHEM 111A: General Chemistry (5) GE: Physical Science with Lab (B1b)	Pass Chemistry Placement Examination; MATH 113, 115, 119A, or 122 with a Grade of “C” or Better
CHEM 111B: General Chemistry (5)	CHEM 111A and MATH 113 or 115 or 119A or 122; All with Grades of “C” or Better
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 (6 units total):

ESP 200: California Environmental Issues (3)	Corequisites: GEOL 102 and 104 or GEOG 130 or 140; and 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 units total):

ECON 101: Principles of Microeconomics (3) GE: Social Sciences and Citizenship (D2)	MATH 103 or Higher
ECON 300: Fundamentals of Economics (3) GE: Social Sciences & Citizenship (D2)	GE Foundations

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

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 (3 - 4 units total):

MATH 119B: Survey of Calculus II (3)	MATH 119A or 122 with a Grade of “C” or Better
MATH 123: Calculus II (4)	MATH 122 with a Grade of “C” or Better

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

PHYS 100A: General Physics (4) GE: Physical Science with Lab (B1b)	MATH 109 or 113 or 119A or 122
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PHYS 151: Mechanics and Heat (4) GE: Physical Science with Lab (B1b)	Corequisite: MATH 122
Complete ONE of the following courses (3 units total):	
CHEM 220A: Organic Chemistry I (3)	CHEM 111B with a Grade of "C" or Better
CHEM 227: Fundamentals of Organic Chemistry (3)	CHEM 111A with a Grade of "C" or Better

Complete ALL the following courses (12 units total):	
BIOL 350: General Ecology (3)	BIOL 211, 212, 213, 260; MATH 119A or 122; All with Grades of "C" or Better
ESP 300: Environmental Law and Policy (3)	Upper Division Standing; ESP 200; or Consent
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 GWAR 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):	
CE 406: Project Cost-Benefit Analysis (3) GE: Capstone (F)	Upper Division Standing
ECON 306: Environmental Issues of the World Economy (3) GE: Global Issues; Capstone (F) or (D2)	Upper Division Standing; GE Life and Physical Sciences; ECON 101

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

Electives

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:

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

GPA Requirements	Unit Requirements	Class Unit Levels
Minimum 2.0 for ALL of the following:	120 Overall units	0-29 units = Freshmen
▪ Overall GPA	40 Upper Division units	30-59 units = Sophomore
▪ CSULB GPA	30 CSULB units	60-89 units = Junior/Upper Division Standing
▪ Cumulative Major/Minor GPA	24 Upper Division CSULB units	90+ units = Senior
Graduate Writing Assessment Requirement (GWAR)		
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.
- CHEM 111A and 111B are part of a two-semester sequence and must be taken consecutively.

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.