

ENVIRONMENTAL SCIENCE MINOR

Mission

The mission of Biola's Environmental Science minor (<https://www.biola.edu/degrees/u/environmental-science-minor/>) is to allow students from all majors to be trained to impact the world for Christ, working to restore all aspects of God's creation, by combining scientific and theological knowledge with practical field, lab, and teaching skills in order to create just and sustainable solutions for environmental issues.

Program Learning Outcomes

Upon completion of the Environmental Science Minor, students will be able to:

1. Integrate science and faith to evaluate major environmental issues and develop just and sustainable solutions. (ULO 1, 2).
2. Demonstrate field, lab, evaluation, and presentation skills needed to conduct environmental research. (ULO 1, 3).
3. Integrate science and faith with teaching skills to motivate people to care for people and the rest of God's creation. (ULO 1, 3).

Each Program Learning Outcome (PLO) listed above references at least one of the University Learning Outcomes (ULO 1, 2, 3), which may be found in the General Information (<https://catalog.biola.edu/general-information/>) section of this catalog.

Curriculum Requirements

Code	Title	Credits
Program Courses		
BIOS 103	Introduction to Environmental Science	3
BIOS 112	Fundamentals of Organismal Biology	3
BIOS 114	Fundamentals of Organismal Biology Laboratory	1
BIOS 353 or BIOS 354	Environmental Ethics Bioethics	3-4
BIOS 401	General Ecology	4
Select two courses from the following:		7-8
BIOS 222	Botany	
BIOS 302	Vertebrate Biology	
BIOS 303	Ecological Agriculture	
BIOS 305	Global Development and Ecological Sustainability	
BIOS 306	Land Resources	
BIOS 307	Lake Ecology and Management	
BIOS 335	Field Biology	
BIOS 352	Marine Biology	
BIOS 355	Environmental Health: An Ecological Perspective	

BIOS 360	Principles of Geographic Information Systems
BIOS 371	Conservation Biology
BIOS 372	Restoration Ecology
BIOS 390	Au Sable Institute of Environmental Studies

Total Credits **21-23**