

UNIVERSITY OF THE PACIFIC

Minor in Sustainability

(Effective Fall 2012)

Objectives:

- Identify and explain concepts and application of sustainability at the global, national, and local levels.
- Apply an interdisciplinary and systems approach to solving a problem or meeting a need

The Minor in Sustainability is intended for students who desire an understanding of sustainability or those who anticipate working for transnational or development organizations. **This interdisciplinary minor is open to students of all majors.**

Sustainability requires that short and long-term social, economic, and environmental impacts of products and processes be considered. With globalization of the world's economies, continuing challenges with depletion of resources and increased global pollution, the well-being of society will require application of the principles of sustainability.

Contact us:

**SCHOOL OF ENGINEERING
AND COMPUTER SCIENCE**

Camilla Saviz, P.E., Ph.D.
O: (209) 946-3077
email: csaviz@pacific.edu

To earn a minor in sustainability, students must complete a minimum of 20 units with a Pacific minor grade point average of 2.0. Students must complete at least one course from each of categories A, B, and C:

A. Technology			
CIVL	171	Water and Environmental Policy	3
CIVL	173	Sustainable Engineering	3
EMGT	176	Systems Engineering Management ¹	4
MECH	155	Solar Energy Engineering ²	4
B. Economics and Society			
ECON	071	Global Economic Issues ³	4
ECON	157	Environmental and Natural Resource Economics ⁴	4
GEOS	103	Global Change ⁵	4
INTL	077	Contemporary World Issues	4
INTL	165	Development, Modernization, and Cultural Change ⁶	4
INTL	174	Global Environmental Policy ⁷	4
C. Environment and Ethics			
BIOL	035	Environment: Concepts and Issues	III-C 4
BUSI	053	Legal and Ethical Environment of Business	I-B 4
ENGL	126	Literature and the Environment	Diversity, III-C 4
GEOS	043	Environmental Science for the Informed Citizen	III-A 4
GEOS	045	Soil, Water, and War	III-C 4
PHIL	035	Environmental Ethics	II-B 4
SOCI	111	Environment and Society	Diversity, III-C 4
D. Sustainability Research and Practice (optional)			
Engineering Synthesis, Senior Project/Thesis, Senior Design, undergraduate research, internship, or independent study related to sustainability may be used to provide up to four additional units			1-4

Prerequisites:

¹ MATH 39 and 55 or permission of instructor

² ENGR 122

³ ECON 53 (GE-IA) and ECON 55 (GE-IB) or ECON 51 (GE-IB)

⁴ ECON 53 (GE-IA)

⁵ Introductory GEOS course, CHEM 23 or 24 or 25 or 27

⁶ POLS 11 or 51 (GE-IC), ANTH 53 (GE-IC), ECON 53 (GE-IA) or permission of instructor

⁷ POLS 51 (GE-IC)