**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

**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
- EMTG 176 Systems Engineering Management 1
- MECH 155 Solar Energy Engineering 4

**B. Economics and Society**
- ECON 071 Global Economic Issues 3
- ECON 157 Environmental and Natural Resource Economics 4
- GEOS 103 Global Change 4
- INTL 077 Contemporary World Issues 4
- INTL 165 Development, Modernization, and Cultural Change 6
- INTL 174 Global Environmental Policy 7

**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)

**Contact us:**

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE
Camilla Saviz, P.E., Ph.D.
O: (209) 946-3077
email: csaviz@pacific.edu

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