

MINOR IN SUSTAINABILITY

Program Description

Units needed for Minor: 21

Sustainability - meeting our social, economic, and environmental needs in the present without compromising the ability of future generations to meet their needs too - is a multi-disciplinary topic. Knowledge, practice and collaboration across disciplines such as Business, Engineering, Humanities, Human Health, and the Natural Sciences is necessary. The Minor in Sustainability makes available 50 courses offered by 15 different Departments from six Colleges at California State University, Sacramento. It provides a single qualification to complement students learning in their own major with cross-disciplinary learning on sustainability from many other disciplines.

A minimum grade of "C-" is required in all courses required for the Sustainability Minor.

Program Requirements

Code Title Units

A maximum of 9 units of courses from a student's major may count towards minor requirements

REQUIRED COURSES (9 Units)

ENVS 10	Introduction to Environmental Science ¹	3
ENVS 111	Environmental Ethics ¹	3
ENVS 144	Sustainability Science & Policy	3

ELECTIVE COURSE DOMAINS (12 Units)

Elective courses must be chosen from at least two of the seven domains for a total of 12 units.

1. Energy

ECON 162	Energy Economics	
EEE 196I	Electric Vehicle Design: Electrical and Control Concepts	
ENGR 106	Energy and Modern Life	
ENVS 140	Energy, Society, and the Environment	
ME 132	Solar Energy, Geothermal Energy, and Bioenergy Systems	

2. Air, Water and Earth

BIO 160	General Ecology	
ENVS 135	California Water and Society	
ENVS 149	Agroecology	
GEOG 118	Earth Transformed	
GEOG 161	California's Water Resources	
GEOL 140	Geology and the Environment ¹	
NUFD 110	Food Production and Sustainability	

3. Ecosystems and Biodiversity

BIO 118	Natural Resource Conservation	
BIO 179	Conservation Biology & Wildlife Management	
ENVS 137	Conservation and Society	
ENVS 151	Restoration Ecology	
ENVS 158	Wetlands Ecology	
ENVS 163	Ethnoecology ¹	
RPTA 150	Ecology Of Resource Areas	

RPTA 151	Visitor Management in Recreation Areas	
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4. Human Health and Well-being

ECON 153	Health Economics	
ENVS 130	Environmental Toxicology	
ENVS/SOC 138	Introduction to Environmental Sociology	
ENVS 170	Environmental Justice	
GEOG 143	Environmental Hazards and Society	
PUBH 114	Human Ecology and Health ¹	
RPTA 124	The Science of Nature Engagement and Human Health & Wellbeing ¹	

5. Built and Urban Environments

FASH 33	Fashion Sustainability, Global Impact, and Critical Thinking ¹	
CE 150	Principles of Environmental Engineering	
CE 150L	Environmental Engineering Laboratory	
CE 151	Environmental Engineering Practice	
CE 152	Stormwater Management	
ECON 180	Urban Economics	
ENGR 105	Sustainable Design and Construction ¹	
ENVS 122	Environmental Impact Analysis: CEQA and NEPA	
ENVS 147	Urban Agriculture and Aquaponics	

6. Law, Policy and Economy

ECON 120	Economics and Environmental Degradation	
ECON 123	Resource Economics	
ENVS/POLS 128	Environment and the Law	
ENVS 155	Environmental Management and Decision-Making	
ENVS/POLS 171	Environmental Politics and Policy	
HIST 139A	Global Environmental History in the Age of Imperialism, 1450-Present Day	
HIST 165	American Environmental History ¹	
IBUS 180	Sustainability Business in Global Economy	

7. Professional Experience

ENVS 195	Environmental Studies Internship	
ENVS 199	Special Problems	

Total Units 21

¹ Course also meets a General Education requirement