



GE MINOR IN SUSTAINABILITY (GEM-S)



A new way to earn a minor while fulfilling GE requirements. The GEM-S prepares students to integrate sustainability principles and practices into their lives and professions through exposure to the magnitude and multi-dimensionality of the sustainability problem and exploration of potential solutions. GEM-S courses provide multiple disciplinary lenses (e.g., scientific, social, political, and economic) to the study of environmental sustainability. The minor consists of a minimum of 15 units (including 9 units of upper-division GE). Students complete course(s) in each of six categories from an approved list of GEM-S courses. Students must complete the remaining breadth/GE requirements not fulfilled within the GEM-S in order to graduate.

Course Category I (6 units) Lower-division GE

Complete a minimum of 6 units from one or more lower-division GE Areas:

- B1 Physical Science
- B2 Life Science
- C1 Arts
- C2 Humanities
- D Social Sciences
- F Ethnic Studies



Course Category II (3 units) Upper-division Arts or Humanities

Complete a minimum of 3 units from upper-division GE Area C (UD-C) Arts or Humanities



Course Category III (3 units) Upper-division Social Sciences

Complete a minimum of 3 units from upper-division GE Area D (UD-D) Social Sciences



Course Category IV (3 units) Upper-division Science Inquiry

Complete a minimum of 3 units from upper-division GE Area B (UD-B) Science Inquiry and Quantitative Reasoning



Climate Neutrality Overlay

Met by completing one Climate Neutrality (C-Neutral) course in Categories I - IV. The C-Neutral course must be different from the course used to fulfill the Applied Sustainability Overlay. The C-Neutral Overlay is only required for the GEM-S.



Applied Sustainability Overlay

Met by completing one Applied Sustainability (Applied) course in upper-division Categories II - IV. The Applied course must be different from the course used to fulfill the C-Neutral Overlay. The Applied Sustainability Overlay is only required for the GEM-S.



**Course Category I
Lower-division GE****(Min. 6 units)**

GE Area/Overlay	Course ID	Course Title
B1, Sustainability	CHEM 106	Chemistry and Society
B1, Sustainability	ENSC 220	Warming Planet, Rising Seas, and Global Change
B1, Sustainability	ENSC 235	Disasters on Earth and in Hollywood
B1, Sustainability	ENSC 250	Oil, Water and Future Earth
B1, Sustainability	ENSC 280	Humans and the Environment in California
B1, B3, Sustainability	GEOL 100	Earth Systems Science
B1, Sustainability	GEOL 101	Introduction to the Earth Sciences
B1, Sustainability	GEOL 120	Introduction to Oceanography
B1, Sustainability	GEOL 230	Natural Disasters
B1, Sustainability	PHYS 106	Physics for Future Leaders
B1, Sustainability	PHYS 107	Science of Energy
B2, Sustainability	ENSC 240	Environmental Biology
C2	HIST 140	Humanity, Science and Nature in History
D1-2, Sustainability	ENVT 101	Environmental Challenges of the 21st Century
D1-2, Sustainability	KIN/REC 280	Sustainability in Action: Physical and Recreational Activity
D1-2, Sustainability	HOS 230	Sustainable Global Tourism Development
D1-2, US-1,3	POSC 102	Public Policy and California Politics
D1-2	GEOG 200	Sustainable Resource Management
D1-2, Social Justice	HOS 297	Food & Culture
F, Social Justice	ES 100	Introduction to Social Justice in Communities of Color

Course Category II**Upper-division Arts or Humanities****(Min. 3 units)**

GE Area/Overlay	Course ID	Course Title
UD-C, Sustainability	ENGL 342	Environmental Literature
UD-C, Sustainability	ES 302	Eating the Landscape
UD-C, Sustainability	ES 307	God is Red: American Indian Worldview
UD-C, Social Justice	ES 365	Asian American and Pacific Islander Environmental Voices
UD-C, Sustainability	HIST 323	History of Sustainability
UD-C, Sustainability	HIST 333	Sustainability in the Ancient World
UD-C, Sustainability	HIST 351	Russia: Peter to the Present
UD-C	HIST 386	Food and Justice in US History
UD-C	HIST 388	US and California Environmental History
UD-C, Sustainability	PHIL 311	Environmental Ethics
UD-C, Social Justice	PHIL 354	Global Human Rights and Social Justice

Course Category III**Upper-division Social Sciences****(Min. 6 units)**

GE Area/Overlay	Course ID	Course Title
UD-D, Sustainability	ENGL 344	Literatures of Environmental Justice
UD-D, Sustainability	ENVT 330	Environment, Sustainability, and Social Justice
UD-D, Sustainability	ENVT 465	Sustainable Communities and Development
UD-D, Sustainability	ES 327	Decolonize Your Diet
UD-D, Social Justice	GEOG 455	Sustainable Food Systems
UD-D, Sustainability	GEOG/ENVT 465	Sustainable Communities and Development
UD-D, Social Justice	HSC 340	Climate Change, Health, and Equity
UD-D	HSC 362	Environmental Health Policy
UD-D, Sustainability	INFO 310	Sustainability and Information Literacy
UD-D, Sustainability	ENGL 344	Literatures of Environmental Justice
UD-D, Sustainability	ENVT 330	Environment, Sustainability, and Social Justice

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**Course Category IV
Upper-division Scientific Inquiry (Min. 6 units)**

GE Area/Overlay	Course ID	Course Title
UD-B, Sustainability	BIOL 334	Humans and the Living Planet
UD-B, Sustainability	ECON 380	Managerial Economics and Business Strategy
UD-B, Sustainability	ENSC 320	The Science of Global Change
UD-B, Sustainability	ENSC 330	Weather and Atmosphere
UD-B, Sustainability	ENVT/GEOG 340	Climate Change
UD-B, Sustainability	ENSC 350	Environmental Hydrology
UD-B, Sustainability	ENVT/GEOG 447	Energy, Climate and Society
UD-B, Sustainability	ES 308	Cultures of Habitat
UD-B, Sustainability	HSC 300	Environmental Health
UD-B, Sustainability	ENVT/PHYS 307	Social Impact Through Sustainable Solar Design
UD-B, Sustainability	PHYS 308	Sustainable Energy Systems

Climate Neutrality (C-Neutral) Overlay

The C-Neutral course must be different from the course used to fulfill the Applied Sustainability Overlay. The C-Neutral Overlay is only required for the GEM-S.

GE Area/Overlay	Course ID	Course Title
B1, Sustainability	ENSC 220	Warming Planet, Rising Seas, and Global Change
Sustainability*	ENSC 420	Global Change
D1-2, Sustainability	ENVT 101	Environmental Challenges of the 21st Century
UD-B Sustainability	ENVT/GEOG 340	Climate Change
UD-B Sustainability	ENVT/GEOG 447	Energy, Climate and Society
UD-B, Sustainability	ENVT/PHYS 307	Social Impact Through Sustainable Solar Design
UD-B, Sustainability	PHYS 308	Sustainable Energy Systems

Applied Sustainability Overlay

The Applied course must be different from the course used to fulfill the C-Neutral Overlay. The Applied Sustainability Overlay is only required for the GEM-S.

GE Area/Overlay	Course ID	Course Title
UD-B, Sustainability	ENVT/GEOG 340	Climate Change
UD-B, Sustainability	ENVT/GEOG 447	Energy, Climate and Society
UD-B, Sustainability	ENVT/PHYS 307	Social Impact Through Sustainable Solar Design
UD-B, Sustainability	PHYS 308	Sustainable Energy Systems
UC-C, Sustainability	HIST 323	History of Sustainability



TO DECLARE A MINOR:

Complete the Change of Major/Minor/Concentration form on the University website under [Student Records Forms](#).



FOR HELP WITH THE GEM-S:

Contact your academic advisor or email the Director of General Education, Dr. Caron Inouye, at caron.inouye@csueastbay.edu.

All GE questions may be emailed to GEOffice@csueastbay.edu.

The GE Office is located in SA 1500.

Go to the [GE website for more info about GE and the GEM-S.](#)

[Link to the University Catalog](#)