

Certificate of Specialization: Sustainable Resources, Energy Management, and Environmental Ethics

The Sustainable Resources, Energy Management, and Environmental Ethics Certificate of Specialization is an interdisciplinary program designed to provide students with the background necessary to examine the drivers and impacts of climate change and evaluate mitigation and adaptation measures to minimize the effects on local and global ecosystems and human societies. The certificate is flexible in terms of the range of choices available for the lab elective and can be built into the Associate of Arts in Environmental Studies.

Certificate Student Learning Outcome:

Students will examine the drivers, impacts, and ethical implications of climate change and evaluate mitigation and adaptation strategies to minimize the effects on local and global ecosystems and human societies.

Programs Requirements:

Units Required: 10

		Units:
ENVRMT-104	Energy Resources Conservation	3.0
PHILOS-250	Environmental Ethics	3.0

Plus 4 units from the following:

ANTHRO-101	Biological Anthropology	3.0
OR		
ANTHRO-101H	Biological Anthropology – Honors	3.0
ANTHRO-101L	Biological Anthropology Laboratory	1.0
BIOSCI-100	General Biology	4.0
OR		
BIOSCI-100H	General Biology – Honors	4.0
BIOSCI-106	Organismal & Environmental Biology	4.0
OR		
BIOSCI-106H	Organismal & Environmental Biology – Honors	4.0
BIOSCI-115	General Zoology	4.0
BIOSCI-116	General Botany	4.0
BIOSCI-119	Marine Biology	4.0
OR		
OCEAN-119	Marine Biology	4.0
CHEM-151	Preparatory General Chemistry	4.0
OR		
CHEM-151H	Preparatory General Chemistry - Honors	4.0
ENVRMT-103	Introduction to Environmental Science	4.0
GEOGRPH-101	Physical Geography with Lab	4.0
OCEAN-101	Introduction to Oceanography	4.0