

Sustainability & Environmental Majors



	INTERDISCIPLINARY SUSTAINABILITY	MARINE BIOLOGY	MARINE BIOLOGY	NATURAL RESOURCES & MANAGEMENT: NATURAL SCIENCE PATHWAY
DEGREE	B.A.	B.A.	B.S.	B.S.
WHAT IS IT?	The cross-disciplinary study of issues relating to sustainability, where classes focus on the interconnectivity of human and natural systems	The study of all aspects of marine life, their behaviors, and their relationships to the marine environment	The study of all aspects of marine life, their behaviors, and their relationships to the marine environment	Interdisciplinary study of decision-making and actions to modify the resource base in order to achieve specified goals, with the focus on tropical island ecology and terrestrial and coastal ecosystem
WHAT WILL I STUDY?	Course plan tailored by student around focus of interest, such as Environmental Justice & Ethics, Sustainable Island Ecosystems, Environmental Policy & Management, etc. Program includes an internship/research-based capstone requirement	Biology and chemistry foundations leading up to upper division courses that provide a strong background in both the biotic and physical aspects of marine ecosystems.	Biology and chemistry foundations leading up to upper division courses that provide a strong background in both the biotic and physical aspects of marine ecosystems.	Comprehensive training in basic & applied natural sciences, management skills & techniques, and real-life problem-solving including field community experiences with an individual specialization in an upper division study area of choice
WHAT ARE THE INTRO COURSES I WILL TAKE?	2 major foundation courses, Economics Statistics BIOL 101 or BIOL 171 or SUST 120/CHEM 110, or CHEM 161	BIOL 171/L OCN 201 BIOL 220 BIOL 265/L CHEM 161/L & 162/L	BIOL 171/L & 172/L, BIOL 220, OCN 201 Calculus I & II PHYS 151/L & 152/L CHEM 161/L & 162/L	BIOL 171/L & 172/L, ECON 130, NREM 192, NREM 251 Calculus I PHYS 151/L & 152/L CHEM 161/L & 162/L
POSSIBLE CAREER PATHS?	Environmental Protection Agency, Natural Resource Conservation Service, Public works departments, Wildlife ranges	Fish and Wildlife Service, National Oceanic and Atmospheric Administration, Wildlife sanctuaries, Education	Fish and Wildlife Service, National Oceanic and Atmospheric Administration, Wildlife sanctuaries, Research facilities	Fish & Wildlife Service, Forest Service, Environmental Protection Agency, NOAA, Hawaii Division of Aquatic Resources, Hawaii Division of Forestry & Wildlife, Non-profits for Sustainability, Environmental Education
DEPARTMENT WEBSITE	manoa.hawaii.edu/isr/degrees-and-certificates/#ba-sustainability	manoa.hawaii.edu/lifesciences/undergraduate/marine-biology-undergraduate-programs/	manoa.hawaii.edu/lifesciences/undergraduate/marine-biology-undergraduate-programs/	cms.ctahr.hawaii.edu/nrem/UNDERGRADUATE

Please refer to the Catalog (manoa.hawaii.edu/catalog/) and Program Sheets (manoa.hawaii.edu/ovcaa/programsheets/) for specific course numbers & more information.