

Marine Science and Conservation Leadership Certificate course options

Introductory course - required for all certificate students			
ENV	25	Introduction to Environmental Science and Policy	<i>NS, QID, STS</i>
or			
ENV	101	Integrating Environmental Sciences and Policy (for students with AP credit; permission of instructor required)	<i>NS, SS, STS, W</i>
Leadership/Ethics/Communication courses - students choose ONE			
ENGR	108S	Ethics in Professions: Scientific, Personal and Organizational Frameworks	<i>EI, STS</i>
MMS	120	Managerial Effectiveness	<i>SS, STS</i>
PHIL	115	Applied and Environmental Ethics	<i>CZ, EI, STS</i>
POLSCI	147D	Environmental Politics and Policies in the Developing World	<i>CCI, EI, SS, STS</i>
POLSCI	148D	Environmental Politics Beyond Borders	<i>CCI, EI, SS, STS</i>
POLSCI	227S	Issues in International Communications	<i>EI, R, SS, STS</i>
PPS	116D	Policy Choice as Value Conflict	<i>EI, SS</i>
PPS	140S	Women as Leaders	<i>SS</i>
PPS	144S	Enterprising Leadership	<i>EI, SS</i>
PPS	146	Leadership, Development, and Organizations	<i>EI, SS</i>
PPS	196.30	Border Crossing: Leadership, value conflicts, and Public Life	<i>SS</i>
RELIGION	115BS	Buddhist Ethics	<i>CCI, CZ, EI, W</i>
RELIGION	129	Religion and Science: Biology, Minds and Souls	<i>CCI, CZ, STS</i>
THEATRST	100S	Communication, Improvisation, and Business	<i>ALP</i>
Marine Science (Natural Science) courses - students choose ONE			
BIO	10L	Marine Biology	<i>EI, NS, STS</i>
BIO	114L	Biological Oceanography	<i>NS, R</i>
BIO	123	Analysis of Ocean Ecosystems	<i>NS</i>
BIO	129L	Marine Ecology	<i>NS, R, W</i>
BIO	150L	Physiology of Marine Animals	<i>NS, R, W</i>
BIO	155L	Biochemistry of Marine Animals	<i>NS, R, W</i>
BIO	156L	Sensory Physiology and Behavior of Marine Animals	<i>NS, R, W</i>
BIO	176AL	Marine Invertebrate Zoology	<i>NS, R</i>
BIO	190/191/297	Research Independent Study	<i>R</i>
CELLBIO	243	Environmental Biochemistry: Respiratory Proteins and the Environment	<i>NS, STS</i>
EOS	12	The Dynamic Oceans	<i>NS, STS</i>
EOS	102	The Fluid Earth	<i>NS, R</i>
EOS	115	Waves, Beaches, and Coastline Dynamics	<i>NS, STS</i>
EOS	123	Hydrogeology	<i>EI, NS, STS</i>
EOS	187S	Marine Geology of South Florida	<i>NS, R</i>
ENV	218L	Barrier Island Ecology	<i>NS, R</i>
ENV	225L	Coastal Ecotoxicology and Pollution	<i>NS</i>

Marine Science (Social Science) courses - students choose ONE			
ECON	163	Economics of the Environment	SS, STS
ECON	163S	Economics of the Environment	SS, STS, W
ENV	175	Marine Policy	EI, SS, STS
ENV	251	International Conservation and Development	NS
ENV	252	Sustainability and Renewable Resource Economics	SS, STS, R
ENV	270	Resource and Environmental Economics	SS
ENV	298.55	Ocean and Coastal Law and Policy	NL
Marine Conservation courses - students choose ONE			
BIO	109	Conservation Biology and Policy	NS, STS, EI
BIO	125/125L	Biology and Conservation of Sea Turtles	NS, STS
BIO	126/126L	Marine Mammals	NS, STS
BIO	127	Marine Megafauna	NS, STS
BIO	216	Sojourn in Singapore: Urban Tropical Ecology	CCI, NS, SS, STS
Capstone course - required for all certificate students			
ENV	186S	Marine Science and Conservation Leadership Capstone: From Water to Washington and Back	NS, SS, STS

ALP = Arts, Literatures, and Performance; CCI = Cross-Cultural Inquiry; CZ = Civilizations; NA = Not Listed; NS = Natural Sciences; QID = Quantitative, Inductive, and Deductive Reasoning; R = Research; SS = Social Sciences; EI = Ethical Inquiry; STS = Science, Technology, and Society; W = Writing