For more information visit: www.mees.umd.edu



<u>Marine,</u> <u>E</u>stuarine, <u>E</u>nvironmental <u>S</u>ciences Graduate Program





Phone: 301-405-6938 |Email: <u>mees@umd.edu</u> |Rm. 1213 HJ Patterson Building College Park, MD 20742|

Mission Statement

Marine Estuarine Environmental Sciences (MEES) is an interdisciplinary, inter-institutional, statewide graduate program within the University System of Maryland (USM) whose mission is to educate students to become the scientific leaders and problem-solvers of the future. Using an interdisciplinary approach, we train students to engage in scientific discovery, integration, and application to generate new knowledge and to solve environmental problems.



Program Overview

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Universities

Established in 1978, the MEES Graduate Program is one of the largest environmental graduate programs in the University of Maryland System with approximately 200 faculty members drawn from experts from government and non-government agencies and 5 universities and two research institutions including: the <u>University of Maryland</u>, <u>Baltimore (UMB)</u>, the <u>University of Maryland</u>, <u>Baltimore County (UMBC)</u>, the <u>University of Maryland</u>, <u>College Park (UMCP)</u>, the <u>University of Maryland</u>, <u>Eastern Shore (UMES)</u>, and the <u>University of Maryland Center of Environment Science (UMCES)</u>.

MEES offers masters (M.S.) and doctoral (Ph.D.) degrees in four Foundations: <u>Environment & Society</u>, <u>Earth &</u> Ocean Science, <u>Ecological Systems</u>, and <u>Environmental Molecular Science & Technology</u>.

Environment & Ear	rth & Ocean	Environmental Molecular
Society	Science Ecological Systems	Science & Technology
 Coupled natural and human systems Cultural models of the environment Political ecology, participation and governance Ecological economics and environmental ethics Physi transs transs 	 Landscape ecology, ecological genomics and fisheries stock assessment Research draws from the traditions of individual, population community, and ecosystem approach Sical circulation and sport, chemical sformation, and ogical reaction 	 Current molecular approaches to study biodiversity, bioremediation, and food chains Discovery of drugs and enzymes from marine microbes and microorganisms Sustainable aquaculture, biofuels, biogeochemistry of carbon cycling, and genomics/metabolomics or marine organisms