

# FRESHWATER AND MARINE SCIENCES, CERTIFICATE

## LEARNING OUTCOMES

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1. Develop an integrated understanding of the functioning of freshwater and marine ecosystems, with a focus on the integration of physical, chemical, and biological dimensions.
2. Apply a foundational understanding of freshwater and marine ecosystems to addressing current environmental problems.
3. Develop a deeper understanding of interdisciplinary water resource management issues, and to understand their broader societal context.
4. Gain career-relevant, hands-on experiences through field trips, lab analysis, and data collection and analysis.