

MASTER OF PROFESSIONAL SCIENCE

The Master of Professional Science is an innovative graduate degree at the University of Miami, intended for students who seek advanced training in marine and atmospheric science.

As part of this unique program, students will also develop a blend of team-building and communication skills, legal and regulatory knowledge, and business savvy, that are highly valued by potential employers.

This program prepares students for science careers in business, government, or non-profit organizations, where employment demands are growing. The curriculum is structured to allow students to complete their degree in as little as 12 months, with the training and real-world experience necessary to prepare them for entry to mid-level careers in today's professional job market.



The Master of Professional Science is the 21st Century MBA

The Master of Professional Science is designed for students who major in the sciences as undergraduates & seek careers that require both applied scientific knowledge and professional skills. The emphasis on applied training and internships allows students to focus their academics on marketable skills that will provide them with more efficient routes into business, government, and industry.

Tropical Marine Ecosystem Management & Marine Mammal Science Tracks

TROPICAL MARINE ECOSYSTEM MANAGEMENT

The Master of Professional Science degree in Tropical Marine Ecosystem Management provides students with advanced training in the theoretical aspects of tropical marine ecology, as well as the practical aspects needed to begin a career in this field. Theory focuses on nearshore, benthic ecosystems common to tropical and subtropical regions worldwide (coral reefs, seagrasses, and mangroves) and emphasizes threats and resource management. Practical aspects of the course include field methods and techniques; taxonomy and identification of common vertebrates, invertebrates, algae and marine plants; GIS & remote sensing of shallow water marine environments; opportunities to become qualified for both scientific diving (through the American Academy of Underwater Sciences); and small boat operations (through the Department of the Interior's Motorboat Operator Certification Course).

This degree is excellent preparation for technical positions in marine conservation and management, as well as marine ecosystem science at one of a number of state and federal agencies, institutions or NGOs.

MARINE MAMMAL SCIENCE

With growing access to marine mammals in the wild and at managed care facilities, the need for animal care and management staff is increasing. As the potential for employment grows, there is a greater focus on employees with strong educational and applied backgrounds.

Advancements in the care and conservation of marine mammals have progressed dramatically over the last decade with the development of a greater understanding of marine mammal biology, behavior, and physiology, as well as improved diagnostic and assessment tools and techniques. Students in this degree track will be part of the only program in the nation designed to prepare them for employment in marine mammal management and care.

Coursework will integrate topics such as marine mammal medicine and pathology, medical diagnostics and laboratory analysis, population assessment and management, state and federal regulations, research, education, and applied behavior analysis. Students will have the opportunity to interact with medical, training, and research experts in our community, as well as participate in an internship at marine mammal rehab, managed care, or research facilities.

