

NEW PROGRAMS IN GEOLOGY & GEOPHYSICS



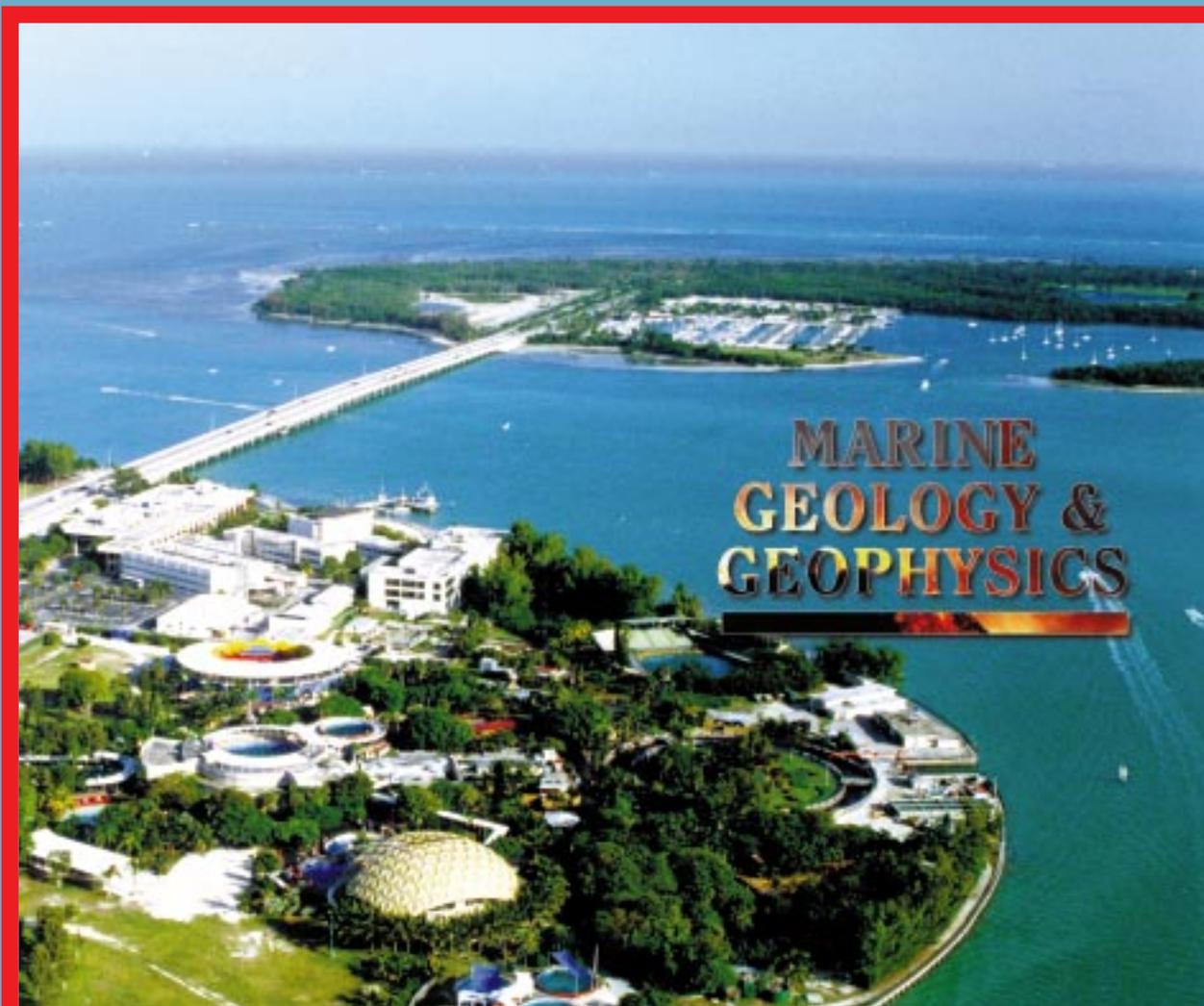
The University of Miami's Rosenstiel School announces a new, accelerated Master's Program within the Marine Geology and Geophysics Division. Specifically aimed at professionals in the environmental resource management and petroleum

industries seeking to upgrade their credentials, the new M.Sc. and M.A. program allows an individual to complete an advanced degree within two years, and to tailor courses specifically to his or her needs, within four broad "tracks":

- ENVIRONMENTAL GEOLOGY & HYDROLOGY
- SEDIMENTARY SYSTEMS & PETROLEUM GEOLOGY
- ENVIRONMENTAL GEOCHEMISTRY
- APPLIED GEOPHYSICS

Within each track, students have considerable flexibility in choice of courses, and "cross-track" courses are possible for students with special interests. Part-time attendance is also possible. For the M.Sc. degree, a short (6 month-9 month) field and/or lab project is performed in the student's second year. This project is chosen in consultation with the student's faculty advisor, and could include a problem of mutual academic and industrial interest.

ROSENSTIEL SCHOOL OF
MARINE & ATMOSPHERIC SCIENCE





ENVIRONMENTAL GEOLOGY AND HYDROLOGY

Environmental Geology and Hydrology: Aimed primarily at professionals currently working in the environmental industry, this track focuses on the basic science and high technology instrumentation and measurements required for solving problems encountered in today's rapidly changing environmental industry. Courses include Environmental Hydrology, Environmental Remote Sensing, Environmental Geophysics, Applications of Stable Isotopes in Biogeochemical Processes, Environmental Policy and the Environmental Impact Statement, and the Geology of South Florida.



APPLIED GEOPHYSICS

The focus of this track is on technical aspects of measurement, processing and interpretation of geophysical signals typically used in the oil industry. Our graduates are poised to enter high level science/management tracks in the industry, or pursue advanced Ph.D. studies. Courses include Seismic Exploration, Rock Structure and Deformation, Mathematical Methods, Field Geophysical Techniques, and Environmental Remote Sensing.

ENVIRONMENTAL GEOCHEMISTRY

This track focuses on measurement techniques and processes related to chemical species of natural and anthropogenic origin in shallow terrestrial aquifers and coastal marine environments. Courses include Isotope Geochemistry, Carbonate Diagenesis, Advanced Geochemical Methods, Environmental Hydrology and Sedimentation.

Deadline for applications for the academic year (which begins in late August) is February 1. For further information contact:

**Chairman, Marine Geology and
Geophysics Division
University of Miami**
Rosenstiel School of Marine
and Atmospheric Science
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SEDIMENTARY SYSTEMS & PETROLEUM GEOLOGY

This track is designed for individuals seeking careers in hydrocarbon exploration and marine environmental management, and focuses on the latest computer-aided exploration, production, and marine survey technologies. Opportunities are available to participate in world-class applied research programs in carbonate platforms, lacustrine and rift basin studies, and passive margin systems. Courses include Exploration Seismology, Seismic Interpretation and Basin Analysis, Comparative Sedimentology, Hydrocarbon Exploration and Reservoir Analysis, Diagenesis of Carbonates, and Rock Structure and Deformation.

