

Coastal Ocean Modeler REQ08799

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**Position Summary:**

FAU's Harbor Branch Oceanographic Institute (<http://www.fau.edu/hboi/>) located in Ft. Pierce, FL is seeking applications for a Coastal Ocean Modeler position in the area of coupled physical-biogeochemical modeling in estuarine, coastal and shelf oceans. The successful candidate will be a self-motivated modeler who conducts interdisciplinary work to understand water quality and ecosystem health in freshwater lake, estuaries and coastal oceans.

The Coastal Ocean Modeler is expected to work with a team of scientists in an innovative and collaborative culture.

**Primary duties and responsibilities:**

Develop and implement coupled physical-biogeochemical models for studying harmful algal blooms, water quality, and carbon cycle in various freshwater lakes, estuarine and coastal regions.

Perform numerical simulations, analysis of the model results, and data analysis, and prepares scientific reports, presentations and/or publications.

Additional duties and responsibilities:

Coordinate research within the team and collaborators.

Occasionally participate and assist in field and/or lab work.

**Minimum Qualifications:**

Master's degree from an accredited institution in Marine Science, Oceanography, or related area, and one year of ocean modeling related experience required.

Strong skills in programming languages such as Fortran, Matlab, and/or Python.

Significant knowledge of at least one of the generic coastal ocean models (e.g. POM, ECOM-si, ROMS, FVCOM).

Significant knowledge of physical oceanography, marine chemistry, and/or marine biology.

**Salary:**

\$42,000 - \$54,000

**College or Department:**

Harbor Branch Oceanographic Institute

**Location:**

Harbor Branch (HBOI) in Fort Pierce, Florida

**Work Days and Hours:**

Monday – Friday, 8 a.m. – 5 p.m., flexible hours may be required to conduct fieldwork.

**Application Deadline:**

Posted until filled

**Special Instructions to Applicant:**

Individuals with disabilities requiring accommodation, please call 561-297-3057. 711

Final candidate will be required to have official, sealed transcripts and original NACES evaluation, if applicable, sent from their educational institution to Human Resources prior to the start of employment.

Successful completion of a background check, which may include a motor vehicle check, credit check, fingerprinting or additional screening, is required for the selected candidate prior to the start date.

A resume and a cover letter are required for this position. Make sure to attach these required documents in the Attachments section of the application. Any missing required documents may result in disqualification.

This position is funded with recurring grant funds with an expiration date on June 30, 2021. Renewal of funding is anticipated; however, not guaranteed.