

# **SR-LEVEL COASTAL ENGINEER**

## **JOB OVERVIEW:**

Erickson Consulting Engineers, Inc., a leading engineering firm with a presence in the SE United States and the Caribbean and a thriving coastal engineering practice, is pleased to announce an immediate opening in our Sarasota, FL office for a senior-level Coastal Engineer. This position has tremendous growth and career development potential for a passionate engineer. The candidate will have the opportunity to work on a variety of coastal engineering projects with a concentration in beach nourishment, coastal structures and inlet and navigation studies, all of which may involve feasibility analyses, engineering designs and analyses, limited numerical modeling, report preparation, permitting, and construction engineering services. The selected candidate will perform tasks through all phases of projects including the initial planning and design, permitting, construction and monitoring.

## **RESPONSIBILITIES & DUTIES:**

- Provide engineering leadership at a project level task and working with other engineering staff to complete projects
- Complete tasks assigned by a Senior Project Manager and work with team of Coastal Engineers to complete engineering studies and design projects
- Obtain engineering data, process information, create set-up procedures for computer modeling, making adjustments to model input, report results, and discuss findings relative to engineering projects
- Provides technical assistance to the Water Resources Engineers in areas of coastal, hydrologic, hydraulic and water quality design and analyses and modeling using InfoSWMM or ICPR
- Responsible for completing design calculations for coastal and civil engineering practice, including: marine structures, rubble mound structures, geotechnical/foundation designs, hydrodynamics/fluid mechanics, drainage and flood control infrastructure, dredge/fill, and sediment disposal site designs
- Provide technical assistance for numerical modeling using SMS and perform simulation of coastal circulation and wind-generated waves using ADCIRC and STWAVE
- Performs coastal engineering analysis in support of coastal flood hazard studies with a focus on wave runup/overtopping analysis, and wave overland propagation analysis
- Develops computer programs using Matlab to automate data processing and post-processing of numerical model results
- Develops cost estimates for contracts using Excel/VBA. Prepares design documents in support of projects including reports, graphics, presentations and technical review folders
- Prepares design plans and specifications for bidding and construction purposes. Completes construction oversight and administration duties including shop drawing approval, review of contractor surveys/progress reports, and execution of final certification(s) upon project completion

## **CAPABILITIES & CREDENTIALS:**

- Master's Degree in coastal engineering
- Professional Engineer (PE) licensure (or ability to qualify for PE exam within 2 years)
- 8-10 Yrs experience in civil and coastal engineering with emphasis on coastal environments
- Possess strong technical and analytical skills
- Possess strong interpersonal skills
- Ability to communicate fluently in spoken and written English
- Desire, drive and passion to gain knowledge and experience to advance your career, working in a consulting firm environment
- Self-motivated, hard-worker capable of working both independently and in a team setting

Please submit resume, highlighting direct experience and salary requirements to [ECEHR@ericksonconsultingengineers.com](mailto:ECEHR@ericksonconsultingengineers.com). Please include **REF-SE917**.