Overview

SWCA is seeking a Ecosystem Design Engineer to work in either our Charlotte, NC office or as a distributed employee. SWCA is a nationwide environmental consulting firm and is 100% employee owned. Our ecological restoration group is growing and in need of a design engineer to assist with stream, wetland, and tidal marsh restoration as well as water quality treatment retrofits, and coastal/living shoreline design projects. Projects will include sites in North Carolina, Virginia, South Carolina and support of other projects across the U.S. The position will entail travel and short-term overnight efforts to collect field data and meet with clients. The candidate must have a strong skill set in AutoCAD Civil 3D and/or MicroStation as well as a working knowledge of GIS principles.

Responsibilities

- Participate in the engineering design, reporting, and development of construction plans for the above listed project types.
- Participate in field work to assess existing site conditions, assess reference reach sites, and perform geomorphic surveys.
- Develops construction plans within the AutoDesk Civil 3D and/or MicroStation platforms.
- Perform hydraulic, hydrologic, and water quality assessments, modeling, and analysis in support of the above listed projects.
- Communicates and works with the Project Manager to keep projects on schedule and on budget.
- Attends and participate in annual internal design training meetings to support personal skills growth and career planning.
- Ability to work independently and with Project Managers and multi-task regularly in a fast-paced environment with multiple changes; work under pressure and meet tight deadlines.

Qualifications

- Bachelor’s degree in engineering (civil, environmental, biological and agricultural engineering, coastal engineering or related degree).
- 2 years experience in ecosystem design.
- E.I. certification (Engineer Intern)
- Experience developing ecological restoration design construction plans in AutoCad Civil 3D or MicroStation.
Preferred:

- 5 years experience in ecosystem design.
- Professional Engineering license.
- Experience with RIVERMorph, HEC-RAS, and other hydraulic and hydrologic modeling and analysis software.
- Previous GIS experience.

Additional:

- This position is available for distributed work.

SWCA Environmental Consultants is a growing employee-owned firm, providing a full spectrum of environmental services. With offices across the United States, SWCA is one of the largest environmental compliance firms and ranks among Engineering News-Record’s Top 200 Environmental Firms.

If you would like to contact SWCA regarding the accessibility of our website or need assistance completing the online application process due to a disability, please email accommodations@swca.com or call 800-828-8517. This contact information is for disability accommodation requests only. All other inquiries will not receive a response.

EOE - women, minorities, individuals with disabilities and veterans are encouraged to apply.

Apply Here: [http://www.Click2Apply.net/kxhh78pn57ycbk5z](http://www.Click2Apply.net/kxhh78pn57ycbk5z)