



*Creating ecological solutions through innovative engineering*

## Charlotte Engineering Summer Intern

Wildlands Engineering is seeking motivated individuals to assist our growing Charlotte team through a field engineering summer intern position. We are looking for students enrolled in a B.S. or M.S. program for civil, agricultural, or environmental engineering, landscape architecture, or related applicable scientific or engineering discipline. The position is a paid, full-time, hourly internship.

### Company Information

Wildlands Engineering, Inc. was founded in 2007 and focuses on stream and wetland restoration, watershed planning and assessment, and water quality management. With offices in North Carolina, South Carolina, and Virginia, Wildlands Engineering provides water resources engineering, ecosystem restoration, mitigation banking, and consulting services to an array of clients, including local and state government and conservation organizations. Our dedicated, motivated, and highly-trained team has experience in all aspects of stream and wetland restoration, watershed planning and assessment, and water quality management. Wildlands Engineering is committed to a watershed and ecosystem approach to ecological restoration and water quality management, and we provide exceptional services to our clients in an uncompromisingly ethical, innovative, and time-sensitive manner.

Major services provided include:

- Stream, Wetland, and Habitat Mitigation
- Stream and Wetland Restoration
- Water Quality Management and Mitigation
- Watershed and Environmental Planning
- Stormwater Management

### Job Description

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#### **BASIC FUNCTIONS:**

Assist with existing conditions assessment, design elements, construction document production, GIS mapping, monitoring and maintenance of stream, wetland, and riparian buffer mitigation projects.

#### **ESSENTIAL FUNCTIONS:**

1. Ability to communicate effectively in both verbal and written formats with individuals or groups.
2. Ability to work in a fast-paced environment and manage multiple priorities and meet deadlines.
3. Ability to demonstrate strong analytical and problem-solving skills.
4. Ability to exercise discretion, independent judgment, and interact effectively with all levels of personnel.
5. Occasional overnight travel.

#### **RESPONSIBILITIES:**

1. Field data collection, geomorphic surveys, and groundwater monitoring.
2. Preparation of report figures in ArcGIS.
3. Preparation of construction plan sheet sets in AutoCAD Civil 3D.
4. Basic engineering analyses including but not limited to hydrologic analyses, HEC-RAS hydraulic model preparation, culvert capacity analysis, quantity take-offs, and construction cost estimates.
5. Invasive species maintenance.

**EDUCATION:**

Two or more years of education with a minimum 3.0 GPA and an interest in water and natural resources, habitat restoration, field assessment, and/or environmental permitting.

**EXPERIENCE / SKILLS:**

1. Experience with surveying equipment preferred.
2. Knowledge of various field monitoring protocols preferred.
3. ArcGIS and or/AutoCAD Civil 3D experience preferred.
4. PC/Windows-based software experience required with proficiency in Word and Excel.

**PHYSICAL DEMANDS:**

1. Up to eight hours of intermittent standing or walking outside on unleveled ground in an eight-hour workday.
2. Exertion of 21 to 60 pounds of force occasionally to move objects.
3. The requirements of the job and the physical demands are frequently performed in outside weather conditions with frequent exposure to wet/humid conditions and extreme heat or cold.

**EXEMPT / NON-EXEMPT:** Non-Exempt

**PLEASE SEND RESUME AND COVER LETTER BY February 3, 2021 TO ONE OF THE FOLLOWING:**

**Email (preferred method):** [resumes@wildlandseng.com](mailto:resumes@wildlandseng.com); subject line: Charlotte Engineering Intern

**Mailing Address:** 1430 S. Mint Street, Suite 104, Charlotte, NC 28203

The cover letter should identify your area of study, any relevant software or previous work experience, why you are interested in this position, your approximate available work dates for spring/summer 2021, and any other information that you feel is important. Please be prepared to provide contact information for two references, if requested.

*Wildlands Engineering, Inc. provides equal employment opportunity without regard to race, color, religion, age, national origin, sex, sexual orientation, gender identity/expression, disability, veteran status, genetic information, or any other basis protected by federal, state, or local laws.*

*Wildlands Engineering, Inc. maintains a drug-free workplace.*