



Creating ecological solutions through innovative engineering

Field Scientist/Engineering Summer Intern

Wildlands Engineering is seeking one to two motivated individuals to assist our growing Asheville team through field scientist/engineering/land stewardship summer intern positions. We are looking for students currently enrolled (preferred), or having recently completed, a B.S. or M.S. program for environmental or biological sciences, civil, environmental, or biological systems engineering, landscape architecture, horticulture, forestry, or related applicable scientific or engineering discipline. These positions are a paid, full-time, hourly internship opportunity.

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

BASIC FUNCTIONS:

Assist with existing conditions assessment, design elements, construction document production, GIS mapping, stream and wetland buffer conservation easement maintenance, 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:

Scientist/Engineer

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 analysis, HEC-RAS hydraulic model preparation, culvert capacity analysis, quantity take-offs, and construction cost estimates.
5. Functions listed below, except on a more limited basis.

Scientist/Land Management

1. Mapping invasive plant population using Collector and ArcGIS.
2. Prepare invasive management plans for project managers.
3. Assist with removal and treatment of invasive species.
4. Assist with site preparation of stream buffer plantings.
5. Research restorative techniques for revegetation of stream buffers.
6. Monitor constructed stream restoration features and assist in necessary repairs.

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, horticulture, ecology, earth science or agroforestry, 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.
5. Willing to work in rural settings in the vicinity of livestock.
6. Ability to work both independently and with others in the field.
7. Experience working with plants.
8. Knowledge of whole systems design and holistic management systems.
9. Use of ArcGIS, Collector, ArcPro for invasive species surveying.
10. Interest in WNC Blue Ridge, Foothill, Piedmont bioregional ecology.

PHYSICAL DEMANDS:

1. Up to ten hours of intermittent standing or walking outside on unlevelled ground in a workday.
2. Exertion of 21 to 60 pounds of force occasionally to move objects.
3. Ability to safely use power and hand tools.
4. 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 March 1, 2020 TO:

Wildlands Engineering- Field Scientist/Engineering Intern (Asheville), 1430 S. Mint Street, Suite 104, Charlotte, NC 28203 resumes@wildlandseng.com.

The cover letter should identify your current location, your area of study, any relevant software or previous work experience, why you are interested in this position, your approximate available work dates for summer 2020, and any other information that you feel is important. Please be prepared to provide contact information for two references, if requested.

Wildlands Engineering, Inc. is an equal opportunity employer and maintains a drug-free workplace.