



# DEP INTERNSHIP PROGRAM

## Job Posting

<b>Posting #:</b> BWSO-009-GI Asset Management Intern	<b>#of Positions:</b> 2
<b>Posting Period:</b> <u>February 2019- May 2019</u>	<b>Category:</b> Engineering
<b>Bureau:</b> BWSO	<b>Salary:</b> Unpaid
<b>Office Title:</b> GI Asset Management Intern	<b>Status:</b> Undergraduate

### JOB DESCRIPTION

The NYC Department of Environmental Protection (DEP) enriches the environment and protects public health for all New Yorkers by providing 1.1 billion gallons of high quality drinking water, managing wastewater and stormwater, and reducing air, noise, and hazardous materials pollution. DEP is the largest combined municipal water and wastewater utility in the country, with nearly 6,000 employees. DEP's water supply system is comprised of 19 reservoirs and 3 controlled lakes throughout the system's 2,000 square mile watershed that extends 125 miles north and west of the City.

The Bureau of Water and Sewer Operations (BWSO) is responsible for the operation, maintenance and protection of the City's drinking water and wastewater collection (sewer) systems; the protection of adjacent waterways; and the development and protection of the Department's Capital Water and Sewer Design Program. BWSO is also responsible for approving and inspecting water and sewer connections performed by licensed plumbers and/or authorized contractors. BWSO also operates the Staten Island Bluebelt. The Staten Island Blue Belt is an ecologically sound, cost effective natural alternative to storm sewers, which occupies approximately 15 square miles of land in the South Richmond area of Staten Island. This project preserves streams, ponds and other wetland ("bluebelt") areas, allowing them to perform their natural function of conveying, storing and filtering storm water.

BWSO is responsible for the operation, maintenance and protection of the City's drinking water and wastewater collection (sewer) systems, the protection of adjacent waterways, and the development and protection of the Department's Capital Water and Sewer Design Program. BWSO is also responsible for the proper functioning and maintenance of the City's Green Infrastructure (GI) Rain Gardens, which capture stormwater for improved water quality of NYC waterways. GI Rain Garden assets combine engineered stormwater capture systems with soil and plants. These gardens have a particular function and require specialized care and maintenance. Currently, there are approximately 3,000 GI Rain Garden assets either in construction or in maintenance, with a projected build-out of 16,000 assets citywide. The majority of constructed Rain Gardens are in Brooklyn. The selected undergraduate level interns will work with Green Infrastructure Maintenance staff and a graduate intern to inspect, collect data, and summarize findings concerning the installation and subsequent performance of perennial plant material in the City's Green Infrastructure assets. The aim of this year's internship project is to create a plant material inventory and do foundational work in studying plant mortality in Brooklyn's urban ecosystems.

Submit a writing sample that demonstrates their ability to clearly organize and present information, ideally in the fields of horticulture, plant science, landscape ecology or landscape architecture. In addition to requirements listed above, students are encouraged to forward a sample of relevant course work or independent study showing their ability to communicate key points using graphs, charts, or diagrams.

### PREFERRED SKILLS

- Research capabilities
- Familiarity with or willingness to learn GIS, AutoCAD and Modeling of wastewater and drainage collection systems

### ADDITIONAL INFORMATION

Please attach requested documents (writing samples, transcript, etc.) to your resume file in one .pdf document. In your cover letter, indicate the business title of the position you are applying to.

<b><u>Resume</u></b>	<b><u>Writing Sample</u></b>	<b><u>Transcript</u></b>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### QUALIFICATIONS

- Student must have at least a 2.5GPA (on a 4.0 scale) majoring in civil, mechanical or environmental engineering.
- Student must have at least a junior class standing
- Selection Criteria: - Strong writing skills; effective interpersonal skills; familiarity and/or experience with computers/software; leadership skills; self-motivation; and ability to work well with minimal supervision.

**To Apply, Please Send Resume and Cover Letter To [interns@dep.nyc.gov](mailto:interns@dep.nyc.gov)**

**\*Make sure to indicate the bureau and posting number on resume and also in subject line of email response\***

For more information about DEP, visit us at: [www.nyc.gov/dep](http://www.nyc.gov/dep)

The City of New York DEP is an EEO employer.