

# 2012 NYC FALL INTERNSHIP PROGRAM

## PARKS AND RECREATION-059

Green/Blue Roof Program Intern  
Olmsted Center  
Flushing, Queens 11368

**Contact:** Leslie Nusblatt  
**Phone:** (212) 360-8212  
**Fax:** (212) 360-8263  
**Email:** Leslie.Nusblatt@parks.nyc.gov

### AGENCY DESCRIPTION

Parks & Recreation is the steward of more than 29,000 acres of land — 14 percent of New York City — including more than 5,000 individual properties ranging from Yankee Stadium and Central Park to community gardens and Greenstreets. We operate more than 800 athletic fields and nearly 1,000 playgrounds; we manage five major stadia, 600 tennis courts, 66 public pools, 51 recreational facilities, 17 nature centers, 14 golf courses, and 14 miles of beaches; we care for 800 monuments and 23 historic house museums; we look after 600,000 street trees, and two million more in parks. We are New York City's principal provider of athletic facilities. We are home to free concerts, world-class sports events, and cultural festivals.

The work of the agency goes far beyond the maintenance of 14% of New York City's land. Parks is the City's leading programmer of cultural, athletic and social activities, including nature walks, concerts, learn-to-swim classes, sports clinics, historic house tours, and much more. Each year Parks hosts annual events such as the WinterJam, Adventures NYC, the Pumpkin Festival and several others. In addition, Parks produces many special events, including concerts and movie premieres. In the summer, Parks' busiest season, the agency organizes free carnivals and concerts, and sends mobile recreation vans to travel throughout the five boroughs providing free rental equipment for skating, baseball, and miniature golf.

The Parks Commissioner is appointed by the Mayor to oversee and direct the work of the agency. The Commissioner appoints Deputy Commissioners, Borough Commissioners, and Assistant Commissioners who are responsible for managing the agency's divisions. These senior officials supervise the work of thousands of Parks employees. They work with elected officials to complete capital improvements for parks, playgrounds, and recreation centers. They work with the private sector to sponsor free public events. They get the community involved in Parks through volunteer initiatives and educational and athletic programming in recreation and nature centers. They prepare Parks' budget and monitor the work of Parks' ice-skating rinks, golf courses and other concessions.

### UNIT DESCRIPTION

Green Infrastructure Unit (GIU) is part of Central Forestry, Horticulture and Natural Resources Group in NYC Park and Recreation. Our responsibilities are citywide urban forestry, ecological and horticulture initiatives, policy standards and performance measures, including street tree planting and Green Infrastructure (aka Greenstreet program). GIU is mainly focused to capturing stormwater to provide cleaner, healthier waterways for NYC.

The Green Infrastructure Plan, released by the Department of Environmental Protection (DEP) last year, employs cost effective green infrastructure instead of gray infrastructure (treatment plants and piping systems) where possible, to capture stormwater before it flows into NYC's sewer system. Greenstreets are a primary component of DEP's green infrastructure program, and the bulk of new sites (street tree bioswales, stormwater capture greenstreets, green/blue roofs) will be constructed in DEP-designated priority sewersheds.

### POSITION TITLE

Green/Blue Roof Intern

### INTERNSHIP RESPONSIBILITIES

The Green/Blue Roof program under GUI is now conducting site analysis and surveys on Parks building rooftops in Bronx and Flushing Bay priority sewer shed areas. GIU is seeking qualified candidates for preparation of specifications, standard details, construction contracts and methodology for load bearing analysis for the installation of green and blue roofs in NYC. GIU is moving forward with the installation of one green roof in the Bronx and proposals to install more. The next step for the Green/Blue Roof program is to conduct site analysis at a Parks building rooftop in the Flushing Bay priority sewershed area. Work will consist of:

- Conducting surveys and site analysis on Parkland's rooftops in Queens, including site assessment, data collection (including site measurements, pictures, aerial views, interviews with building managers, adjacent site assessment and inventory, working with DPR archive/map file and GIS division to retrieve maps and as built drawings etc.)
- Feasibility discussions with GUI members and green roof manufacturers

[nyc.gov/internships](http://nyc.gov/internships)

- Creating proposal packages for green/blue roof installation
- Transferring information from/to GIS, creating GIS maps, creating graphic related presentations with Adobe Photoshop and AutoCAD
- Helping with structural load capacity calculations for rooftops if possible.

At the end of internship, intern will know how to conduct independent site analysis and site inventory, be creative with design development for innovative green and blue roof projects, and prepare cost estimates.

### **QUALIFICATIONS / SPECIAL SKILLS / AREAS OF STUDY**

- An understanding of green and blue roof components
- Basic experience with planning and design
- Experience with Windows operating systems including Word, Office, Excel, Access, and programs such as ArcGIS, AutoCAD and Adobe Photoshop
- An understanding architectural drawings for roof framing and slab drawings for load bearing calculations
- Presentation experience and organizational skills will be an important component of this work

### **APPLICATION PROCESS**

Please email cover letter and resume to [Leslie.Nusblatt@parks.nyc.gov](mailto:Leslie.Nusblatt@parks.nyc.gov)

### **SALARY RANGE**

Unpaid

### **ADDITIONAL INFORMATION / COMMENTS**

This internship and will involve frequent site visits in Bronx and Queens to rooftops and green roofs. We are expecting the intern to work 2 to 3 days per week.