



The Delaware River's water quality improves when more towns in the watershed implement green infrastructure.
Location: Trenton, NJ. Photo credit: Andrew Tabas.

Stormwater Skills: Training Resources for Green Infrastructure Construction and Maintenance

Jersey Water Works
Green Infrastructure Committee
May 2022

Introduction

The goal of the Jersey Water Works Green Infrastructure (GI) Committee is for communities to employ green infrastructure in a way that maximizes community benefits including reduced flooding and improved water quality, vigorous local economies, dependable community health, and long-term resiliency. One of the committee's 2021 work plans included strengthening the green infrastructure workforce by publishing a fact sheet with green infrastructure certification programs and employment strategies. The committee created the green infrastructure training program inventory below to inform municipalities, professionals, and others interested in green infrastructure to identify suitable training programs to fit specific needs.

The ultimate goal of this inventory is to help New Jersey residents find training programs that could help them begin, or otherwise further, a career path in green infrastructure including certifications and/or other credentials. Training providers on the list are organizations that either consistently provide training programs or have in the past offered programs. Contact information is provided to help advance connections and determine whether or not new programs will be offered in the future. This list includes 12 programs that cover green infrastructure design, installation, and maintenance for both professionals and volunteers. The list will be published in May 2022, and the GI Committee may update the list in the future. To suggest additions that could be added to future versions, please email greeninfrastructure@njfuture.org.

In addition to the inventory below, the committee would also like to recognize that there are other inventory lists available, which may be updated more frequently than this list. Consider visiting New Jersey Department of Environmental Protection's Stormwater Maintenance Jobs Training [webpage](#) for training opportunities and programs for both gray and green infrastructure. In addition, Jersey Water Works' Combined Sewer Overflow Committee has also created an inventory for [training programs](#) that would aid career paths in the water industry, including some green infrastructure training opportunities.

Program Name	Keywords/ Audience	Organization	Description	Contact	Certificate and/or CEUs
CBLP Certification Course	Landscape Architects, Engineers, Municipal Officials	Chesapeake Bay Landscape Professionals	This is a multi-level certification course with a field component. It covers design, installation and maintenance of green infrastructure. It started in the Chesapeake Bay Watershed and now also works in the Delaware River Watershed in partnership with The Watershed Institute. The website includes a list of people who have completed the program.	Katie Pinkham katie@cblpro.org	Certificate and CEUs
Clean Water Certificate Training Program	Professionals	Center for Watershed Protection	This program covers the construction, maintenance and inspection of green infrastructure.	Karen Titus mia@cwpp.org kmt@cwpp.org 410.461.8323	Certificate
Green Infrastructure Certification	Engineers, Landscape Architects, Designers	The Watershed Institute	This is a new, voluntary credential for professionals who design, install, and maintain sustainable landscapes in NJ and surrounding areas. Candidates must pass a written exam after the class for certification.	Kory Kreiseder kkreiseder@thewatershed.org or info@thewatershed.org 609-737-3735 ext. 15	Certificate

Green Infrastructure Champions Program	Homeowners, Professionals, Municipal Officials	Rutgers Cooperative Extension Water Resources Program	Green Infrastructure Champions are key players in implementing green infrastructure as an approach to stormwater management in their own municipalities. Green Infrastructure Champions will be able to enhance their knowledge through green infrastructure workshops, seminars, and personal research; engage community leaders to adopt green infrastructure as a stormwater management solution by updating ordinances and municipal master plans; encourage local Non-Governmental Organizations (NGOs) and schools to incorporate green infrastructure in their existing landscaping; secure funding for green infrastructure; and publicize implementation of green infrastructure through social media channels.	Hollie Dimuro hollie.dimuro@rutgers.edu 848-932-6728	Certificate
Green Infrastructure Training	Municipal Officials	Green Infrastructure Foundation	The Green Infrastructure Foundation offers three online courses on different aspects of green infrastructure.	Rohan Lilauwala	N/A
Green Stormwater Infrastructure Online Course	Engineers, Landscape Architects, Designers	Rutgers University Continuing Education	Announcement about Green Stormwater management course for landscape architects, engineers, planners, and environmental scientists.	Suzanne Hills suzanne.hills@rutgers.edu 848-932-7234	CEUs and credits
GSI Operations and Maintenance Course	Landscape Architects	GSI Partners	Annual multi-day course that addresses green infrastructure practices, regulations, above- and below- ground best practices, and safety considerations.	info@sbnphiladelphia.org 215-922-7400	Certificate

National Green Infrastructure Certification Program (NGICP)	Professionals, Municipal Officials	National Green Infrastructure Certification Program (NGICP)	NGICP provides the base-level skill set needed for entry-level workers to properly construct, inspect, and maintain green stormwater infrastructure. Certification requires completion of a training course and a subsequent exam. Requires a high school diploma or equivalent and completion of the exam training course. NGICP is collaborating with Ironbound Community Corporation and Newark GreenWorks to offer this training.	wecare@envirocert.org	Certificate
NJ Construction Craft Laborers Apprenticeship Program (NJCCCLAP)	Professionals	LiUNA! (Laborers' International Union of North America)	NJCCCLAP is the state's only federally-approved apprenticeship program for construction craft laborers. Through a combination of classroom and on-the-job training, new members gain the skills to become a construction craft laborer. All new LiUNA members participate in a comprehensive apprenticeship program, consisting of 4,000 hours of on-the-job training with an additional 400 hours of classroom training. Laborers may also receive a green infrastructure certification. The training center provides the equivalent of an Associate of Arts (AA) degree. The union also has a program for operating engineers.	njccclap@njlabors.org 732-521-0200	Certificate, CEUs, Degree
PowerCorps Camden - Center for Family Services	Professionals	AmeriCorps	This is an AmeriCorps program. Members receive training in water quality, stormwater management, green infrastructure, and clean and green initiatives; life skills training; and a living allowance of \$559 biweekly. PowerCorps Camden members are a team of young leaders (18-26) from Camden City serving to tackle pressing environmental challenges in their community.	powercorps@centerffs.org 609.315.6942	N/A

Stormwater Best Management Practice Inspection and Maintenance Certification Program	Homeowners, Engineers, Landscape Architects, Municipal Officials	North Carolina State University	The North Carolina State University Certification program has a strong focus on green infrastructure condition assessment, inspection, and instruction on the maintenance of green infrastructure facilities. This two-day program has been particularly successful with small municipalities in North Carolina but is structured to adapt to green infrastructure practices in other states. The program is portable at the state level, and has already been utilized in Louisiana, Tennessee, and Maryland. The three-year credential can be renewed with a one-day recertification course.	bae_training@ncsu.edu	Certificate
Texas Stormwater Low Impact Development and the Basics of Bioretention Webinar	Professionals	Stormwater ONE	This webinar discusses the basics of land development and stormwater management. It also discusses the concept of Low Impact Development and how it can be achieved through the implementation of green stormwater management techniques that mimic predevelopment runoff characteristics by managing stormwater runoff at the source. Bioretention systems, a commonly-used best management practice, are also discussed. This webinar reviews the basics of bioretention systems, how they work, why they work, and how they can reduce project costs.	N/A	Certificate & CEUs

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About Jersey Water Works

[Jersey Water Works](https://jerseywaterworks.org) is working to transform New Jersey's inadequate water infrastructure through sustainable, cost-effective solutions that provide communities with clean water and waterways; healthier, safer neighborhoods; local jobs; flood and climate resilience; and economic growth. The Green Infrastructure Committee's goal is to increase the number of communities that employ green infrastructure to maximize benefits including reduced flooding and improved water quality, local economies, community health, and long-term resiliency.



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