

# Harford Streams

Green Choices. Healthy Streams.

## Harford Streams Watershed Stewards Academy 2021-2022 Applicant Information Sheet

### Mission

The mission of the Watershed Stewards Academy (WSA) is to develop, coordinate and support a widespread, successful network of volunteer community leaders in Maryland to serve as Master Watershed Stewards (“Stewards”) in the protection, restoration, and conservation of watersheds. Through sharing resources and fostering partnerships, the WSA works with a Consortium of Support Professionals to assist Stewards and their communities to reduce the negative impacts of stormwater runoff into the Chesapeake Bay

### A. Applicant Qualifications and Program Goals

#### **A qualified applicant will:**

- Live within the community s/he represents and be actively engaged in community activities. Everyone is welcome to apply but priority will be given to Harford County residents.
- Be proficient in basic computer skills such as Microsoft Office, internet browsing and be willing to learn new programs.
- Be able to serve as a community resource for environmental and watershed information.
- Be able to attend all class sessions listed below, except in the case of an emergency.
- Be willing to maintain certification in subsequent years as a long-term dedicated volunteer.
- Be willing to coordinate projects with Harford County DPW Watershed Protection and Restoration Office.

#### **Upon satisfactory completion of the program the Candidate will have learned about:**

- Stormwater management principles and practices.
- Best management practices (BMPs) for controlling stormwater in a residential setting.
- Native plants and their role in protecting the environment.
- The stormwater professionals from the region.
- Designing and installing stormwater management practices through hands-on techniques.
- How to explain stormwater issues to interested citizens.
- Presenting the concept of stormwater management to neighbors and small groups.
- Education and Outreach activities to employ when engaging communities.
- Geographic Information Systems (GIS) and other online tools for tracking projects.
- Identifying and obtaining funding to pay for projects.

#### **The Candidate will graduate with:**

- A Toolkit with supplies and materials.
- A certificate stating the Candidate has graduated as a Master Watershed Steward.



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**Application Due Date:** Applicants must ensure that the completed application and two letters of reference (please use the Reference Form) are emailed to Laura Coste' at [wsa@harfordcountymd.gov](mailto:wsa@harfordcountymd.gov) or mail to Laura Coste', Department of Public Works, 212 South Bond Street, 1st. Floor, Bel Air, MD 21014 **by Sunday, July 25, 2021.**

**Classes:** Classes will begin September 21, 2021 and end with graduation on May 3, 2022. Classes will be every other Tuesday of the month and 4 Saturdays for tours and class project.

**Application Process:** Class size is limited to 15 participants. Phone interviews will be conducted in August. Applicants will be notified shortly thereafter.

**Cost:** Tuition is \$150 per person, due after acceptance into the program. **A limited number of scholarships are available.**

## B. Certification Policies, 2021-2022

### **Requirements for Initial Certification:**

- Complete the Watershed Stewards Academy coursework, consistent with the attendance policy, below.
- Complete the Class and Team Capstone Projects.

### **Requirements for Annual Maintenance of Certification:**

- Provide 30 hours of community service for watershed actions similar to those provided during completing of the class and Team Capstone projects, which could include maintenance of installed projects.
- Complete 10 hours of continuing education activities.
- Attend Watershed Steward networking opportunities (to be specified).

### **Attendance Policy**

The Academy expects attendance at all the training classes and field trips. We maintain the following policy for missed classes:

- Candidates who miss up to two classes due to pre-scheduled conflicts (as reported to the WSA Coordinators, at the time of application) or illness/injury/emergency may make up class material as determined by the Academy Coordinators (e.g., by partnering with a Candidate who attended a session, by reading background material, by attending a make-up activity or by watching the prerecorded session).
- It is the responsibility of the Candidate to make up missed classes by contacting another Candidate to obtain materials and review coursework. Although we will make reasonable efforts to assist the Candidate in make-up of a missed class, this may not always be possible. If a person misses more than two classes, the candidate is unlikely to receive certification at the end of the course. Exceptions to this policy will be handled on a case-by-case basis.



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## Homework Policy

A Candidate can expect to have reading assignments, problems to be solved illustrating GIS concepts, and assignments in design of stormwater management practices and education/outreach techniques. In addition, you will be responsible for preparing and delivering a 10-minute presentation about a stormwater management issue of your choice during class.

## Class Project

The class, as a group, will design, plan and install a stormwater management project.

## Team Capstone Projects

Working in small groups, you and your classmates will complete Team Capstone Projects, incorporating 1) assessment of stormwater problems of the chosen watershed or neighborhood and 2) community engagement to mitigate the problems. Team Capstone Projects must be completed by October 31, 2022.

## Inclement Weather Policy

- Harford County WSA classes will be cancelled if Harford County Government or Harford Community College is closed due to inclement weather.
- The field classes have outdoor components that will be held rain or shine. Participants should arrive for field classes prepared to be comfortable in the outdoors (bringing proper footwear, hat, sunscreen, rain gear, water bottles, etc.).

## Topics covered include:

- Introduction to WSA
- Chesapeake Bay 101, BMP 101
- Intro to water quality monitoring data
- Re-introduction of BMPs and their role in mediating pollution
- Soils Map - web soils survey, including online tools
- Perspectives, techniques, and practice on neighborhood stormwater assessments
- Putting it all into practice: class project planning
- Community education and engagement
- Permitting your project
- Policy 101
- Stormwater: overview of problems, solutions, lessons learned
- Intro to Soils and Native/Invasive Plants
- Eastern Shore-specific pollution sources and solutions
- Intro to GIS - how people use it, what it is, how it can be used
- Identification and discussion of potential project sites in Harford County
- Funding your project
- Team work: How to work in groups; understanding different communication styles and social norms
- Project management
- Maintenance
- Stormwater management presentations by Candidates



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