

NATIVE PLANT PROGRAMS



Conserving and promoting New England's native plants to ensure healthy, biologically diverse landscapes

NativePlantTrust.org/education

SPRING & SUMMER 2023

“Said the river: Imagine everything you can imagine, then keep going.”

-Mary Oliver

Welcome to the spring/summer 2023 season of Native Plant Trust’s educational offerings!

We are excited to present a lineup of programming bursting with new opportunities. With a new focus on honing observation skills through a wide range of art & nature courses, as well as the introduction of a visiting artist program, we are looking forward to seeing how bringing the arts more directly into the garden will inspire our students and visitors. We are also very proud to see the return of many more field and landscape studies, as well as a spring symposium examining the social history of the outdoors and some new youth & family programs. We hope you will find something exciting to draw you in!

As an organization that serves the entire region, we offer many online learning opportunities and public programs across all six New England states. Please visit www.nativeplanttrust.org throughout the season for updates and additional new programming.

Thank you so much for your continued support and enthusiasm for native plant programming—we look forward to welcoming you to one (or many) of our programs.

NATIVE PLANT TRUST PUBLIC PROGRAMS TEAM



A handwritten signature in dark teal ink that reads "Bess".

BESS PAUPECK,
Director of Public Programs



A handwritten signature in dark teal ink that reads "Stephen".

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Printed on recycled paper.

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ON THE COVER

Mushroom collage,
© Christine Southworth



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ABOUT NATIVE PLANT TRUST

Native Plant Trust is the nation's first plant conservation organization and the only one solely focused on New England's native plants. We save native plants in the wild, grow them for gardens and restorations, and educate others on their value and use. We are based at Garden in the Woods, a renowned native plant botanic garden that attracts visitors from all over the world. From this flagship property in Framingham, Massachusetts, 25 staff and many of our 1,500 trained volunteers work throughout New England each year to monitor and protect rare and endangered plants, collect and preserve seeds to ensure biological diversity, detect and control invasive species, conduct research, and offer a range of educational programs. Native Plant Trust also operates a nursery at Nasami Farm in western Massachusetts and manages six sanctuaries in Maine, New Hampshire, and Vermont that are open to the public. Native Plant Trust is among the first organizations worldwide to receive Advanced Conservation Practitioner accreditation by London-based Botanic Gardens Conservation International (BGCI), which included an endorsement by an International Advisory Council representing six continents. Please visit www.NativePlantTrust.org.

Many of our programs qualify for continuing education units. Visit NativePlantTrust.org/education for a list of qualifying programs.

Program times are in Eastern Time (US and Canada).

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For more information and
to register online visit:
NativePlantTrust.org/education 

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White Mountains, NH
© fairiegoodmother

Public Events - In the Garden

Trillium Week

Trillium Week May 8 - 14, 2023

In 2013, the Garden in the Woods trillium collection was recognized as a Nationally Accredited Plant Collection by the American Public Gardens Association's Plant Collections Network. Please join us for our eighth annual Trillium Week to celebrate the beauty and variety of trilliums at the Garden.

Trillium Tours

Take a guided tour for an in-depth look at Native Plant Trust's award-winning trillium collection. Tours meet at the Visitor Center.

Wednesday, May 10, 2023, 11 AM - 12:30 PM

Friday, May 12, 2023, 11 AM - 12:30 PM

Saturday, May 13, 2023, 2 PM - 3:30 PM

Sunday, May 14, 2023, 2 PM - 3:30 PM

Twilight Trilliums

Stroll the Garden after hours during Trillium Week and enjoy the sight of gorgeous ephemerals like great wakerobin (*Trillium grandiflorum*) and sweet wakerobin (*Trillium vaseyi*) on a beautiful spring evening. Garden admission and light refreshments included with registration.

Friday, May 12, 2023, 6 PM - 8 PM

Fee: \$30 (Members) / \$36 (Nonmembers)



Sweet wakerobin (*Trillium vaseyi*)
Dan Jaffe © Native Plant Trust

Asters After Hours

Stroll the Garden after hours to observe the season's stunning asters (*Asteraceae*), goldenrods (*Solidago*), and cardinal flowers (*Lobelia cardinalis*) in the evening glow. Garden admission and light refreshments included with registration.

Garden in the Woods, Framingham, MA

Friday, September 29, 2023, 5 PM - 7 PM

Fee: \$30 (Members) / \$36 (Nonmembers)





Downy goldenrod (*Solidago puberula*)
Uli Lorimer © Native Plant Trust

Public Events - Talks

Artist Talks & Presentations



Stories in Seeds

Artist-miniaturist Sergey Jivetin will present his traveling seed-stories project *Furrow*. In addition to the short talk, Sergey will hand-engage several seeds with illustrations based on narratives about plants and their deep connection with farmers, seed savers, naturalists, and enthusiastic gardeners who nurture and preserve them.

Garden in the Woods, Framingham, MA

Sunday, May 21, 2023,

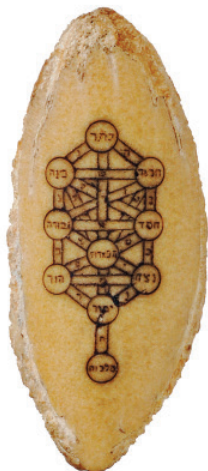
11 AM - 12 PM Talk

12 PM - 3 PM Ongoing seed engraving demonstration

Program Code: ART8014

Fee: \$15 (Members) / \$18 (Nonmembers)





Introducing the Native Plant Trust Visiting Artist Program

The Native Plant Trust Visiting Artist Program invites local artists and creatives to explore their art practice while working among the plants of our botanic garden at Garden in the Woods and the wilderness of our sanctuaries across New England. At the conclusion of their time with us, the visiting artist will present the culmination of their work to the public via an exhibition, performance, conversation, installation and more. We welcome interested artists to apply to be the next visiting artist. The application can be found on our website.



Native Plant Trust 2022-2023 Visiting Artist Presentation

Mushroom Modulations

Native Plant Trust proudly presents its first visiting artist, Christine Southworth. Christine is a Lexington, MA-based multimedia composer whose work primarily involves nature—lightning, honeybees, coral reefs, spiders, snowflakes, and, currently, mushrooms. Her new work incorporates photographs and videos of mushrooms growing at Garden in the Woods and around Middlesex County from summer 2021 through the present, and she is using these to create an immersive performance environment. The electrical currents given off by mycelium networks are thought to be used as communication between different fungal fruiting bodies. Surrounded by her images of mushroom colonies growing and fading throughout the seasons, she will make music with live mushrooms that she has grown by “listening to” slight electrical variations in the colonies via electrodes placed on different parts of the fruiting growth and converted to sound.

The performance will be followed by a discussion with the artist.

Garden in the Woods

Saturday, June 3, 2023, 8 PM

Program Code: ART9000

Fee: \$15 (Members) / \$18 (Nonmembers)



© Christine Southworth

Spring Symposium

Seeing the Forest and the Trees: Exploring the Social History of the Outdoors

Join us for a spring symposium focusing on aspects of the social history of natural spaces, from nature appreciation and inspiration to notions of territory, access, and participation. We will explore and consider humanistic and scientific approaches to this subject through a transdisciplinary lens. Through these investigations, we will consider how historical actions continue to impact societal and environmental change.

Live Virtual

Wednesday, June 21, 2023, 10 AM - 2 PM

Program Code: SYM1011

Fee: \$60 (Members) / \$72 (Nonmembers)

Certificate: Elective: All Certificates





Garden in the Woods
© Saxon Holt

Conversations



Greening Politics

Kendy Hess, Brake Smith Associate Professor of Social Philosophy and Ethics, College of the Holy Cross, Worcester MA

Any political theory can be green—despite how we may see lines of division running throughout our systems. One does not need to be anything but human to care about the natural world, and the natural world is not interested in what political stripes we wear. What's more, to advocate for nature and the environment does not have to mean one abandons existing political commitments. Join professor and former environmental justice lawyer Kendy Hess for a conversation about politics and the natural world.

Hybrid: Garden in the Woods, Framingham, MA and Live Virtual
Friday, June 23, 2023, 6 PM - 7 PM

Program Code: LEC9102

Fee: \$15 (Members) / \$18 (Nonmembers)

Certificate: Elective: All Certificates



Native Plant Trust at 125

Debbi Edelstein, Executive Director, Native Plant Trust

Join us for a conversation about the vision for the organization as it approaches its 125th anniversary.

Hybrid: Garden in the Woods, Framingham, MA and Live Virtual
Wednesday, July 12, 2023, 6 PM - 7 PM

Program Code: LEC9101

Fee: Free

Certificate: Elective: All Certificates



© John Hess, Brawley Creek Photography

Author Talk



The Seed Keeper

Join author Diane Wilson (Dakota) for a conversation about her award-winning book *The Seed Keeper*. A haunting novel spanning several generations, *The Seed Keeper* follows a Dakota family's struggle to preserve their way of life, and their sacrifices to protect what matters most. Weaving together the voices of four indelible women, *The Seed Keeper* is a beautifully told story of reawakening, of remembering our original relationship to the seeds, and, through them, to our ancestors. The talk will be followed by a book signing with the author. Copies of *The Seed Keeper* will be available for purchase in the Garden shop as well as at the event.

Location TBD, greater Boston region

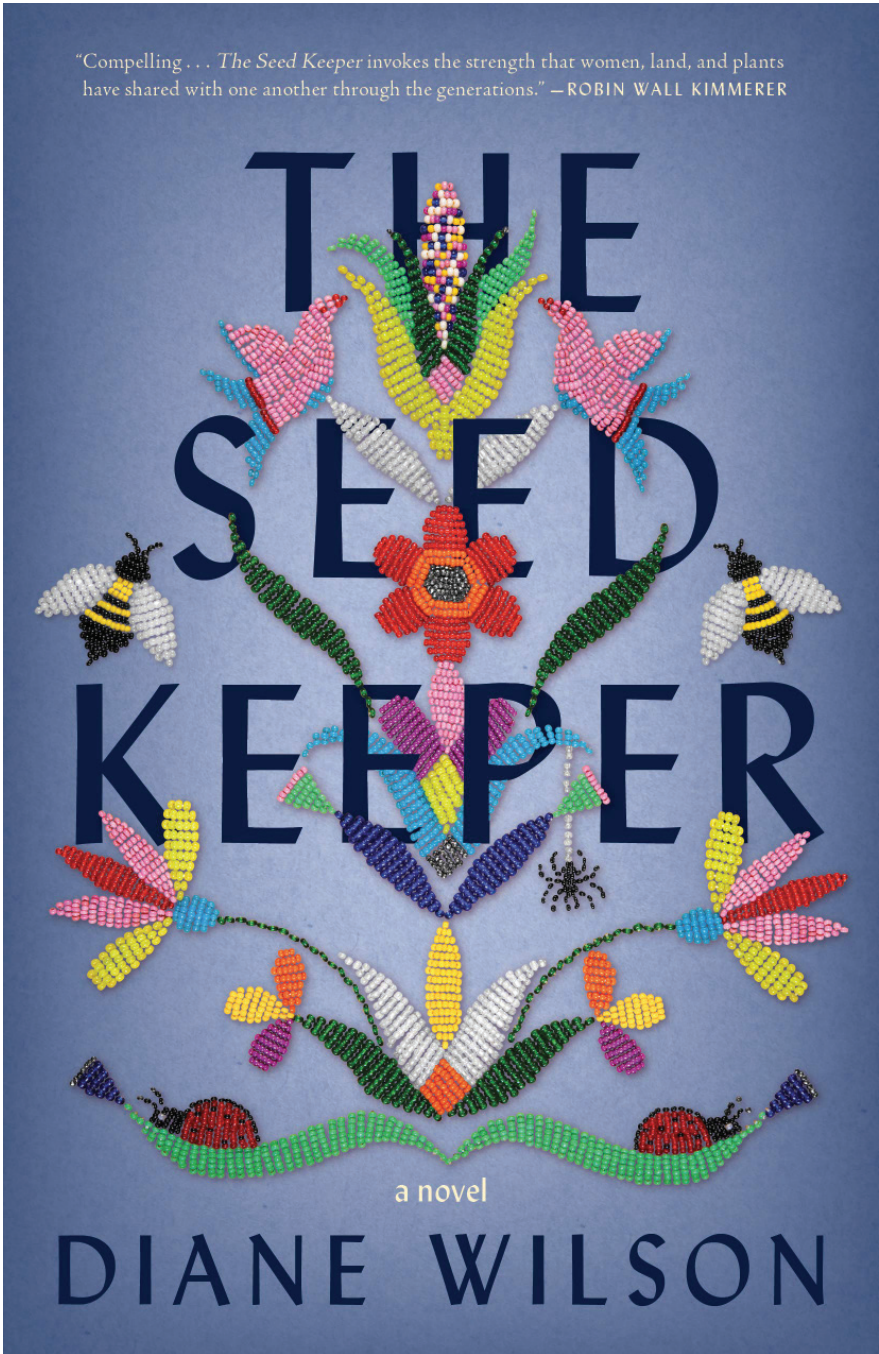
Saturday, October 28, 2023, 3 PM - 4 PM

Program Code: LEC9008

Fee: \$15 (Members) / \$18 (Nonmembers)

Certificate: Elective: All Certificates

"Compelling . . . *The Seed Keeper* invokes the strength that women, land, and plants have shared with one another through the generations." —ROBIN WALL KIMMERER



Courses

Art & Nature

Inspired by Native Plants: Painting with Watercolor

Spend time getting to know the native plants at Garden in the Woods from a whole new perspective. Whether you are experienced in painting with watercolor or have just started your journey, this course is designed for a range of skill sets. Experience the joy and relaxation of connecting with your creativity in nature, while working with an experienced instructor who will help build and improve your skills. Meets once a week for five weeks.

Garden in the Woods, Framingham, MA

Offered twice:

Thursdays, May 4, 11, 25, June 1, and 8, 2023,
5 PM - 8 PM

Program Code: ART6002

Instructor: Sepi Golestani, Art Educator, Museum of Fine Arts, Boston and Natick Public Schools

Fee: \$225 (Members)/\$270 (Nonmembers)

Certificate: Elective: Basic or Advanced,
Horticulture

and

Saturdays, Jul 29, Aug 5, 12, 19, and 26, 2023,
10:30 AM-1:30 PM

Program Code: ART6002

Instructor: Sepi Golestani, Art Educator, Museum of Fine Arts, Boston, and Natick Public Schools

Fee: \$225 (Members)/\$270 (Nonmembers)

Certificate: Elective: Basic or Advanced,
Horticulture

The Art of Observation: Creating a Nature Sketchbook

In this multisession course, we will explore how we see the world around us—slowing down and connecting with nature through sketching and watercolor. No prior experience is needed; the class is designed for various skill levels. We will consider what it means to learn to look and to truly observe. We will explore our own visual intelligence for ways to better understand nature and the environment. Students will come away from the class with their own nature sketchbook well underway.

Garden in the Woods, Framingham, MA

Sundays, August 6, 13, 20, 2023, 1 PM - 3 PM

Program Code: ART1007

Instructor: George Hancin, Artist and Instructor,
Museum of Fine Arts, Boston, and Worcester Art
Museum

Fee: \$90 (Members)/\$108 (Nonmembers)

Certificate: Elective: Basic or Advanced,
Horticulture

01





02

Inspired by Native Plants: Painting with Watercolor Intensive

Whether you are a beginner or have had experience in painting with watercolor, this intensive five-day course is designed to take your painting skills to the next level. Inspired by native plants and the landscape at Garden in the Woods, each class starts with a hands-on demonstration. Through this interactive course, you will learn or improve different watercolor techniques, with time for questions and discussion along the way. The plan is to complete one painting each day and to end the week with a series of paintings. Meets every day for a week (5 days).

Garden in the Woods, Framingham, MA

Meets daily for a week: Monday – Friday, Aug 7, 8, 9, 10, 11, 2023, 10:30 AM - 2:30 PM

Program Code: ART6002

Instructor: Sepi Golestani, Art Educator, Museum of Fine Arts, Boston, and Natick Public Schools

Fee: \$300 (Members)/\$360 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture



03

Botany is Survival: How to Use Art to Get the Word Out

In this workshop, artist Kari Percival will introduce how she explores and identifies key scientific concepts, designs visual imagery, and hones wording to share messages. You'll learn how art can enlist allies to a call to action to help rescue our most beloved home and natural communities from extinction. With a hands-on focus on wordsmithing and image-crafting, you will learn how to pair your botany expertise with art to empower an audience of allies with key information, eye-catching images, and tools for action.

Garden in the Woods, Framingham, MA

Saturday, October 14, 2023, 1 PM - 4 PM

Program Code: ART2305

Instructor: Kari Percival, Illustrator and Environmental Educator

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture

Courses

Botany & Conservation

Plant Form and Function

This introduction to botany covers the basics of plant anatomy and physiology and addresses the fundamentals of the plant kingdom. We will take a microscopic look at roots, stems, leaves, and their component tissues. We will also examine flowers, fruits, and seeds and discuss pollination, fertilization, dispersal, and germination, with an emphasis on the relationship between plant form and function. This Basic Certificate online core course is self-paced, requires field work, and provides opportunities for peer discussion. An instructor will guide you in your learning, review your assignments, and answer your questions. **Please note: Registration closes Monday, June 12, 2023, at 12 PM OR when all spaces fill, whichever comes first. Course access ends on Friday, August 18, 2023, 12 PM.**

Online, Self-Paced

Course Access from Monday, April 24, 2023, 12 PM through Friday, August 18, 12 PM. Registration closes Monday, June 12, 2023, at 12 PM OR when all spaces fill, whichever comes first.

Program Code: CERO101

Instructor: George LoCascio, Assistant Professor - Mount Wachusett Community College

Fee: \$150 (Members) / \$200 (Nonmembers)

Certificate: Basic Certificate Core

01



Plant Ecology

This overview of plant ecology addresses the distribution and abundance of plants and their interactions with other organisms and the physical environment. We will explore factors that affect plants as individuals, populations, and communities, such as life history, resource use, competition, and animal-plant interactions (e.g., pollination, dispersal, herbivory). This Basic Certificate online core course is self-paced, requires fieldwork, and provides opportunities for peer discussion. An instructor will guide you in your learning, review your assignments, and answer your questions. **Please note: Registration closes Monday, June 12, 2023, at 12 PM OR when all spaces fill, whichever comes first. Course access ends on Friday, August 18, 2023, 12 PM.**

Online, self-paced

Course access from Monday, April 24, 2023, 12 PM through Friday, August 18, 12 PM. Registration closes Monday, June 12, 2023, at 12 PM OR when all spaces fill, whichever comes first.

Program Code: CERO101

Instructor: Jennifer Boyd, Environmental Scientist

Fee: \$150 (Members) / \$200 (Nonmembers)

Certificate: Basic Certificate Core

Plant Families

In this foundational course, you will learn the botanical terms used to describe plants and flowers, the evolutionary/phylogenetic basis for classification, and the identifying characteristics for several major plant families common to New England.

Participants will learn through assignments designed for outdoor observation and indoor dissection of plant material. This Basic Certificate online core course is self-paced, requires fieldwork and provides opportunities for peer discussion. An instructor will guide you in your learning, review your assignments, and answer your questions. (This course is also offered in-person.)

Please note: Registration closes Monday, June 12, 2023, at 12 PM OR when all spaces fill, whichever comes first. Course access ends on Friday, August 18, 2023, 12 PM.

Online, self-paced

Monday, April 24, 2023, 12 PM through Friday, August 18, 12 PM. Registration closes Monday, June 12, 2023, at 12 PM OR when all spaces fill, whichever comes first.

Program Code: CERO102

Instructor: Neela de Zoysa, Botanist, Adjunct Faculty Landscape Architecture – Boston Architectural College

Fee: \$150 (Members) / \$200 (Nonmembers)

Certificate: Basic Certificate Core

Wildflowers of New England

This course provides a comprehensive introduction to native plants, including their identification, ecology, and conservation. We explore New England's native plants by studying key identification features of flowers, leaves, and stems; family characteristics; growth patterns; pollinators; seed dispersers; and habitats. You will learn basic botanical skills and tools for identifying wildflowers and study pollination and coevolution of flower structure and design, habitats and ecology, and conservation concerns. (This course is also offered in-person.)

Live Virtual

Mondays, May 1, 8, 15, 22, 2023, 6 PM - 9 PM

Program Code: BOT3000

Instructor: Neela de Zoysa, Botanist, Adjunct Faculty Landscape Architecture - Boston Architectural College

Fee: \$216 (Members) / \$264 (Nonmembers)

Certificate: Basic Certificate Core

02





03

Wildflowers of New England

This course provides a comprehensive introduction to native plants, including their identification, ecology, and conservation. We explore New England's native plants in a field setting at Garden in the Woods by studying key identification features of flowers, leaves, and stems; family characteristics; growth patterns; pollinators; seed dispersers; and habitats. You will learn basic botanical skills and tools for identifying wildflowers and study pollination and coevolution of flower structure and design, habitats and ecology, and conservation concerns. (This course is also offered live virtual.)

Garden in the Woods, Framingham, MA

Wednesdays, May 3, 10, 17, 24, 2023, 12:30 PM - 3:30 PM

Program Code: BOT3000

Instructor: Neela de Zoysa, Botanist, Adjunct Faculty Landscape Architecture - Boston Architectural College

Fee: \$216 (Members) / \$264 (Nonmembers)

Certificate: Basic Certificate Core

Native New England Shrubs

Shrubs vary widely in size, shape, color, bark, flower, and fruit. This course introduces you to many of the native New England shrub species that can be found at Garden in the Woods and throughout the local ecoregion. The learner-centered approach encourages students to develop skills that will help them identify any shrub through dichotomous keys, field guides, or plant ID apps. Students will be expected to conduct significant learning between classes during field experiences, which will inform future class sessions. (This course is also offered in-person.)

Live Virtual

Thursdays, May 18, 25, June 1, 6:30 PM - 8:30 PM

Program Code: BOT3300

Instructor: Brian Colleran, Restoration Ecologist

Fee: \$108 (Members) / \$132 (Nonmembers)

Certificate: Basic Certificate Core

04



Introduction to Mosses

A beginner's introduction to bryophytes. We will be using lectures, slides, and hands-on activities to introduce you to the wonderful world of mosses and liverworts. We will talk about what they grow on, their structure and life cycle, and how we identify them in the field. We will spend some of the afternoon outdoors looking at some of our more common plants. Students will need a hand lens and notebook for drawing and note-taking.

Nasami Farm, Whately, MA

Saturday, May 20, 2023, 9:30 AM - 4:30 PM

Program Code: BOT3068

Instructor: Sue Williams, Bryologist

Fee: \$105 (Members) / \$126 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany



06



Native New England Shrubs

05

Shrubs vary widely in size, shape, color, bark, flower, and fruit. This course introduces you to many of the native New England shrub species that can be found at Garden in the Woods and throughout the local ecoregion. The learner-centered approach encourages students to develop skills that will help them identify any shrub through dichotomous key, field guides, or plant ID apps. We will focus on plant identification tools and techniques, developing an eye for identifying features of plants, and cultural plant uses. (This course is also offered Live Virtual.)

Garden in the Woods, Framingham, MA

Saturday, May 20, 2023, 9:30 AM - 3:30 PM

Program Code: BOT3300

Instructor: Brian Colleran, Restoration Ecologist

Fee: \$108 (Members) / \$132 (Nonmembers)

Certificate: Basic Certificate Core



New England Plant Communities

For a relatively small region, New England boasts an astonishing variety of plant communities, ranging from freshwater and tidal wetlands to coastal dunes, grasslands, forests, and mountains. We will study the dominant canopy, structure, range, and characteristic species of each community and then apply this knowledge in the field. You will learn how soil, topography, moisture, geological conditions, glaciation, and historical use affect the vegetation of each community.

Live Virtual and western MA field sites

Wednesdays, May 24, 31, 2023 (Live Virtual) 6 PM-9 PM & Sunday, June 4, 2023, (Field), 10 AM-4 PM

Program Code: BOT4000

Instructor: Dr. Lori Benoit, Wetland Scientist and Environmental Consultant

Fee: \$216 (Members) / \$264 (Nonmembers)

Certificate: Advanced Core, Botany

Plant Families

In this foundational course, you will learn the botanical terms used to describe plants and flowers, the evolutionary/phylogenetic basis for classification, and the identification features for several major plant families common in New England through field observation, dissection, and viewing of plant material under a microscope. (This course is also offered online, self-paced.)

Garden in the Woods, Framingham, MA

Sundays, June 4, 11, 18, 2023, 12:30 PM - 4:30 PM

Program Code: BOT2260

Instructor: Neela de Zoysa, Botanist, Adjunct Faculty Landscape Architecture – Boston Architectural College

Fee: \$216 (Members) / \$264 (Nonmembers)

Certificate: Basic Certificate Core



08

Introduction to Grasses Identification

Many people are apprehensive about identifying grasses. With a little practice, however, you can learn to recognize common species using plain English vocabulary and naked-eye characteristics. Lauren Brown, co-author with Ted Elliman of *Grasses, Sedges, Rushes: An Identification Guide*, will introduce these beautiful and abundant plants.

Classroom and field site in southern CT

Saturday, June 10, 2023, 9 AM - 1 PM

Program Code: BOT3523

Instructor: Lauren Brown, author of *Weeds and Wildflowers in Winter*, *Grasses: An Identification Guide*, and *Grasses, Sedges, Rushes: An Identification Guide*

Fee: \$60 (Members) / \$72 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany

New England Roses

Dubbed “the queen of flowers,” roses are perhaps the most recognizable of blooms. Several rose species are native to New England; many more have been introduced and naturalized and have become a familiar part of our landscape. Their beautiful, scented blossoms are popular with pollinators, their spiny thickets provide important habitat for wildlife, and hardy shrubs and ramblers are prized by gardeners. Learn to distinguish native species, common naturalized species, and the invasive multiflora roses.

Garden in the Woods, Framingham, MA

Saturday, June 10, 2023, 12:30 PM - 3:30 PM

Program Code: BOT3024

Instructor: Neela de Zoysa, Botanist, Adjunct Faculty Landscape Architecture – Boston Architectural College

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany



09



10

Basic Wetland ID and Delineation

This two-day course introduces the principal elements of wetland identification—wetland hydrology, hydric soils, and hydrophytic plants. We will identify plants in the field, place a delineation line, and utilize web resources. Recommended gear includes a field notebook, field guides, soil color charts, an auger, and rainwear. Bring a bag lunch. A pre-class test will be provided.

Garden in the Woods, Framingham, MA

Friday, June 23 & Saturday, June 24, 2023,
9 AM-4 PM

Program Code: BOT3523

Instructor: Alan Anacheka-Nasemann, PWS
(Professional Wetland Specialist), Ecologist and
Wetland Scientist

Fee: \$210 (Members) / \$252 (Nonmembers)

Certificate: Advanced Core, Botany

Milkweed and Dogbanes

Milkweeds (*Asclepias*) are some of the most attractive and fragrant wildflowers, as well as magnets for butterflies and pollinators. Learn about their special relationship with monarch butterflies and their complex flower structure, ingenious pollination strategy, and protective chemical arsenal. This class will help you identify the common and rare species and recognize their surprising range of habitats. You will also learn tips for milkweed cultivation and discuss the dangers that threaten this native plant.

Live Virtual

Saturday, July 8, 2023, 12:30 PM - 3:30 PM

Program Code: BOT3025

Instructor: Neela de Zoysa, Botanist, Adjunct
Faculty Landscape Architecture – Boston
Architectural College

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany

11



Native Fern Identification and Ecology

This course will be helpful and informative for anyone interested in learning how to identify ferns. The indoor session will include a presentation that will cover basic fern biology, identification techniques, and ecology. The field session will use these techniques for the positive field identification of approximately 20 native fern species in multiple habitats.

Nasami Farm, Whately, MA, and field site

Sunday, July 9, 2023, 10 AM - 3 PM

Program Code: BOT3431

Instructor: Randy Stone, Pioneer Valley Fern Society

Fee: \$75 (Members) / \$90 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany



12

13



Orchids of New England

Orchidaceae is one of the largest plant families in the world, and there are 50 orchid species native to New England, from showy lady's-slipper (*Cypripedium reginae*) to rose pogonia (*Pogonia ophioglossoides*). While some species are common, many are of conservation concern. This session provides context for understanding native orchid habitats, diversity, and conservation issues. You will learn identification techniques, pollination strategies, and life-cycle stages for native orchids.

Garden in the Woods, Framingham, MA

Saturday, July 15, 2023, 12:30 PM - 4:30 PM

Program Code: BOT3036

Instructor: Neela de Zoysa, Botanist, Adjunct Faculty Landscape Architecture - BAC

Fee: \$60 (Members) / \$72 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany



14

Mushrooms for Beginners

Mushrooms are tremendously diverse and play an important ecological role. In this class, we will first learn about basic fungal biology and identification and then head out to the Garden for a mushroom foray. After lunch, we will identify our finds using field guides and microscopes. Bring a bag lunch and a hand lens if you have one.

Garden in the Woods, Framingham, MA

Saturday, July 22, 2023, 10 AM - 2 PM

Program Code: BOT3813

Instructor: Thomas Roehl, Mycologist, Ph.D. student at Clark University

Fee: \$60 (Members) / \$72 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany

Field Discoveries

Join Native Plant Trust for a closer look at some of the rare New England plants we monitored in the most recent field season, as well as some new plants we discovered. This webinar will also discuss conservation facilitation and address how the pandemic and a transition to a new data system are affecting Native Plant Trust's Plant Conservation Volunteer efforts.

Live Virtual

Tuesday, July 18, 2023, 6 PM - 7 PM

Program Code: BOTW411

Instructor: Micah Jasny, Botanical Programs Coordinator, Native Plant Trust

Fee: \$12 (Members) / \$15 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany

15



Seed Dormancy

The origin of the seed was a pivotal event in plant evolution. Seeds, brilliantly described by Jonathan Silvertown as “embryos in picnic baskets,” determine where, how, and when plants move across the landscape. In addition to dispersal in space, seeds have also evolved a mechanism for dispersing through time, an adaptation known as seed dormancy. This program will introduce you to seed dormancy types and classification, the evolutionary history and biogeography of dormancy mechanisms, and current topics in seed research relevant to plant conservation and ecological restoration.

Live Virtual

Tuesday, August 8, 2023, 6 PM - 7 PM

Program Code: BOTW517

Instructor: Dr. Jessamine Finch, Research Botanist, Native Plant Trust

Fee: \$12 (Members) / \$15 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany



16

17



Understanding and Managing Soils

This course explores the biotic and abiotic components that create native soils and explains how these factors inform local flora. We will take a closer look at soil structure and soil biology in miniature lab experiments and discuss best management practices for healthy soils and landscapes. (This course is also offered in a live virtual format.)

Nasami Farm, Whately, MA

Friday, September 8, 2023, 10 AM - 4 PM

Program Code: HOR3604

Instructor: Alexis Doshas, Nursery Manager, Nasami Farm, Native Plant Trust

Fee: \$108 (Members) / \$132 (Nonmember s)

Certificate: Basic Certificate Core

Aquatic Plant Identification and Biology

Did you know that North America supports greater aquatic plant diversity than the tropics? Join us for a workshop to learn about the major aquatic plant families, from species with showy, insect-pollinated flowers to those whose minute flowers are pollinated underwater. We will cover how to identify numerous native and invasive species and the general biology of aquatic plants.

Nasami Farm, Whately, MA

Saturday, September 9, 2023, 9 AM - 12 PM

Program Code: BOT1150

Instructor: Dr. Lori Benoit, Wetland Scientist and Environmental Consultant

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany

Plant Systematics

An advanced course, this program builds on your cumulative vocabulary, knowledge, and skills in plant identification and classification based on vegetative and reproductive structures. From there, we delve into the breadth and complexity of plant identification. We will discuss hybridization and phylogeny to develop a deeper appreciation for the role of evolutionary history in understanding organismal relationships.

Live Virtual

Saturdays, September 9, 16, 23, 2023, 1 - 4 PM

Program Code: BOT2206

Instructor: Dr. Jessamine Finch, Research Botanist, Native Plant Trust

Fee: \$108 (Members) / \$132 (Nonmembers)

Certificate: Advanced Core, Botany

18



Seed Conservation

Seed banking, or ex situ conservation, is an effective method of conserving rare and endangered flora for future generations. Explore process of procuring, cleaning, and accessioning seeds in a seed bank. We will focus on this process in three parts: seed collection (part 1), seed cleaning and processing (part 2), and seed storage for indefinite freezing at 0°F (part 3). This course is suitable for professional conservationists as well as those interested in peeking behind the curtain at Native Plant Trust's regional seed bank.

Garden in the Woods, Framingham, MA and Nasami Farm, Whately, MA

Sunday, September 10, 17, 2023 (Garden in the Woods) and Sunday, September 24, 2023 (Nasami Farm) 10:30 AM-1:30 PM

Program Code: BOT5133

Instructor: Michael Piantedosi, Director of Conservation, Native Plant Trust

Fee: \$162 (Members) / \$198 (Nonmembers)

Certificate: Advanced Core, Botany

Understanding and Managing Soils

This course explores the biotic and abiotic components that create native soils and explains how these factors inform local flora. We will take a closer look at soil structure and soil biology in miniature lab experiments and discuss best management practices for healthy soils and landscapes. (This course is also offered in an In-person format.)

Live Virtual

Fridays, September 15 & 22, 2023,
9:30 AM-12:30 PM

Program Code: HOR3604

Instructor: Alexis Doshas, Nursery Manager,
Nasami Farm, Native Plant Trust

Fee: \$108 (Members) / \$132 (Nonmembers)

Certificate: Basic Certificate Core



19

20



Botanical Inventory Methods and Techniques

This is an introduction to botanical inventory methods for cataloging the vascular plants in a natural landscape. We will cover the essential steps of planning the survey, including use of field guides, aerial photography, GIS (Geographic Information Systems) resources, sampling strategies, and field-data form design. Next, we will practice these methods by conducting a field survey on conserved land, identifying and recording the plant species and habitats we encounter. You will have an opportunity to compile the inventory and write a report.

Live Virtual and Garden in the Woods,
Framingham, MA

Thursdays, September 21 & 28, 2023 (Live Virtual),
6:30 - 8:30 PM and Saturday, September 23, 2023
(Garden in the Woods), 10:30 AM - 3:30 PM.

Program Code: BOT2050

Instructor: Neela de Zoysa, Botanist, Adjunct
Faculty Landscape Architecture – Boston
Architectural College

Fee: \$135 (Members) / \$162 (Nonmembers)

Certificate: Advanced Core, Botany

Invasive Plants: Identification, Documentation, and Control

This course addresses the identification and control of many of the invasive plant species that are an unwelcome and persistent presence in forests, fields, and wetlands. Through visual presentation, close examination of herbarium specimens, and field study, we will examine the impacts of several invasive species and discuss methods for managing invasive plant populations.

Garden in the Woods, Framingham, MA and Barber Reservation, Sherborn, MA

Thursday, September 28, 2023, 6 - 8 PM (Garden in the Woods) & Saturday, September 30, 2023, 10 AM - 2 PM (Barber Reservation)

Program Code: BOT5130

Instructor: Erik Sechler, Ecological Programs Coordinator, Native Plant Trust

Fee: \$108 (Members) / \$132 (Nonmembers)

Certificate: Advanced Core, Botany

Asters and Goldenrods

Asters (*Asteraceae*) and goldenrods (*Solidago*) are autumn showstoppers, but they are also large and taxonomically complex groups, and sometimes it can be hard to distinguish one aster from another. Through a visual presentation, herbarium specimens, and field application, you will learn how to identify several species of asters and goldenrods and how to use identification keys to differentiate visually similar species based on subtle characteristics and habitats.

Garden in the Woods, Framingham, MA and Barber Reservation, Sherborn, MA

Saturday, September 30 & Sunday, October 1, 2023, 10 AM - 2:30 PM

Program Code: PDW4400

Instructor: Ted Elliman, botanist, and author of *Wildflowers of New England*

Fee: \$135 (Members) / \$162 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany

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Aster & Goldenrods class,
© Melissa Blackall / Wildlinks

Courses

Field & Landscape Studies

Stubbs Mountain

Stubbs Mountain, located in the Sandy River Valley in Maine, is a well-known location for species of rich-mesic forests. First explored botanically in the early 1900s, it is home to a suite of state, regional, and globally rare species. The high-pH bedrock (a calcareous slate) supports a diverse assemblage of spring ephemeral species that will be a focus of this outing. Bring a hand lens, metric ruler, lunch, water, and proper clothing and footwear. This field study is for moderate to advanced hikers—exploring the slopes of this small mountain will require us to traverse steep and rocky terrain.

Avon, ME

Sunday, May 21, 2023, 10 AM - 3 PM

Program Code: FDT9001

Instructor: Arthur Haines, Senior Research Botanist, Native Plant Trust and author of *Flora Novae Angliae*

Fee: \$60 (Members) / \$72 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany



01

02



Floodplain Forests

Floodplains have special plants that are adapted to inundation and fluctuating water levels. Join an easy walk to observe the vegetation of a typical small-river floodplain with nearly half a mile of shoreline accessible to the Sudbury River. This stretch of the river is federally designated as a wild and scenic river and has beautiful stands of silver maple (*Acer saccharinum*), basswood (*Tilia americana*), swamp white oak (*Quercus bicolor*), red maple (*Acer rubrum*), and shrub swamps of buttonbush (*Cephalanthus occidentalis*).

Greenways Conservation Area, Wayland MA
(Sudbury Valley Trustees Property)

Saturday, June 3, 2023, 1 PM - 3 PM

Program Code: FDT8061

Instructor: Neela de Zoysa, Botanist, Adjunct Faculty Landscape Architecture – Boston Architectural College

Fee: \$30 (Members) / \$36 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany



03

Stormwater and Ecosystems

Join us for a walking tour of Roger Williams Park to learn the stormwater mitigation strategies in Providence Stormwater Innovations Center's stormwater playground. From bioswales to permeable pavers, most strategies include plant material. Plant selection and maintenance are a critical part of efficient stormwater management. The Park's maintenance practices focus on an ecosystems approach that assures proper functioning of stormwater sites while also allowing for ecosystem services. This landscape study will demonstrate how these practices can be translated to community gardens and backyards.

Roger Williams Park, Providence, RI

Sunday, June 11, 2023, 10:30 AM - 12 PM

Program Code: HDT8055

Instructor: Lee Ann Freitas, Director of Roger Williams Botanical Center

Fee: \$23 (Members) / \$27 (Nonmembers)

Certificate: Landscape: Basic or Advanced, Horticulture

Native Coastal Garden

Join us for a tour of a scenic coastal wildlife refuge. Tucked into a lot on Bullocks Cove, this sand-dune-edged garden slopes to a beach and a native buffer replete with cordgrass (*Spartina*) and high-tide bush (*Iva frutescens*). The property features a roof garden with eastern prickly-pear (*Opuntia humifusa*), a rain garden that supports swamp azalea (*Rhododendron viscosum*), and a fish pond that creates privacy for a terrace below. The garden is a haven for people, birds, and insects.

East Providence, RI

Sunday, June 4, 2023, 10 AM - 2 PM

Program Code: HDT7005

Instructor: Sally Johnson, Principal, Ecoastal Design

Fee: \$60 (Members) / \$72 (Nonmembers)

Certificate: Landscape: Basic or Advanced, Horticulture

04



Historic Landscapes: Long Hill

Long Hill was in the care of the Sedgwick family from 1916 to 1979 and became a horticultural haven during that time. Join Long Hill Senior Horticulturist, Dan Bouchard, for a guided walk to understand the impact two dedicated plantswomen (Mabel Cabot Sedgwick and Marjorie Russell Sedgwick) had on this iconic North Shore property. Dan will also describe current efforts to steward the property, including the installation of a new garden and meadow.

Long Hill, Beverly, MA (Trustees of Reservations property)

Saturday, June 17, 2023, 11 AM - 12:30 PM

Program Code: HDT5012

Instructor: Dan Bouchard, Senior Horticulturist, Long Hill

Fee: \$23 (Members) / \$27 (Nonmembers)

Certificate: Landscape: Basic or Advanced, Horticulture

Harvey Butler Rhododendron Sanctuary

Explore a five-acre stand of great laurel (*Rhododendron maximum*), the largest and northernmost stand known in the region, owned by Native Plant Trust. We will discover a multitude of other native plant gems on the rest of the 30-acre property, from yellow blue-bead lily (*Clintonia borealis*) to painted trillium (*Trillium undulatum*), hemlock (*Tsuga canadensis*), and northern white cedar (*Thuja occidentalis*).

Springvale, ME

Saturday, July 8, 2023, 10 AM - 12 PM

Program Code: FDT9002

Instructor: Heather McCargo, Founder of Wild Seed Project

Fee: \$30 (Members) / \$36 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany

Mosses Field Study

Join bryologist Sue Williams on a field study to examine the mosses and liverworts of New England in various field locations around the region of western Massachusetts.

Offered three times in three different locations:

Location TBD; See website for details

Saturday, July 15, 2023, 9:30 AM - 4:30 PM

Program Code: FDT1373

Instructor: Sue Williams, Bryologist

Fee: \$84 (Members) / \$105 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany and

Location TBD; See website for details

Saturday, August 5, 2023, 9:30 AM - 4:30 PM

Program Code: FDT1373

Instructor: Sue Williams, Bryologist

Fee: \$84 (Members) / \$105 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany and

Locations TBD; See website for details

Sunday, September 10, 2023, 9:30 AM - 4:30 PM

Program Code: FDT1373

Instructor: Sue Williams, Bryologist

Fee: \$84 (Members) / \$105 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany



Flora of New England Coastal Sand Dunes

Parker River National Wildlife Refuge is home to an extensive sandy beach and dune habitat where many shore birds and wildlife flourish amid the varied flora of the area. Join this field study and discussion on the plants of the salt marsh and sand dune habitats that make Parker River so unique.

Parker River National Wildlife Refuge, Newbury, MA
Saturday, July 22, 2023, 10 AM - 12 PM

Program Code: FDT8058

Instructor: Michael Piantedosi, Director of Conservation, Native Plant Trust

Fee: \$30 (Members) / \$36 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany

Plainfield Sanctuary

Join us for an off-trail adventure into a mixed northern hardwood-hemlock forest on Native Plant Trust's 86-acre sanctuary adjacent to the Connecticut River in New Hampshire. Spot favorites such as bloodroot (*Sanguinaria canadensis*) and red columbine (*Aquilegia canadensis*) and discover rare plants such as large-flowered bellwort (*Uvularia grandiflora*), and green-dragon (*Arisaema dracontium*). The field study also addresses common invasives that threaten native plants and approaches for combating them. Please note: This moderate hike is intended for experienced hikers.

Plainfield, NH

Sunday, July 23, 2023, 10 AM - 2 PM

Program Code: FDT3017

Instructor: Ted Elliman, Botanist, and author of *Wildflowers of New England*

Fee: \$60 (Members) / \$72 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany

Interesting Ferns of Mount Toby

On this three-hour walk we'll explore some of the more unusual ferns and plant species at Mount Toby Reservation. The base of a talus slope provides habitat for Goldie's fern, narrow-leaved glade fern, and bulblet fern within a diverse plant community that includes sugar maple, red elm, and bladdernut.

Mount Toby, Leverett, MA

Saturday, July 29, 2023, 12 PM - 3 PM

Program Code: FDT2034

Instructor: Randy Stone, Pioneer Valley Fern Society

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced, Botany

and footwear you don't mind getting wet.

Presented in partnership with Coastal

Maine Botanical Gardens. **Registration will be through the following website:**

<https://www.mainegardens.org/learn/learning-for-adults/adult-classes/>

Woolwich, ME

Saturday, August 19, 2023, 9:30 AM - 12:30 PM

Program Code: FDT8029

Instructor: Ted Elliman, Botanist, and author of *Wildflowers of New England*

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany

In Partnership with Coastal Maine Botanical Gardens

Estuary Plants of the Coffin Sanctuary

Join us for a special field study at the Native Plant Trust's exquisite Coffin Wildflower Preserve. This 177-acre shoreline sanctuary is located along Merrymeeting Bay, the meeting place of six rivers that, together, drain much of Maine's landscape. This freshwater tidal estuary hosts a specialized and rare habitat with a unique array of colorful plants growing in shallows and mudflats: wild rice (*Zizania palustris*), bulrushes (*Scirpus spp.*), arrowheads (*Sagittaria spp.*), bur-marigold (*Bidens spp.*), pipewort (*Ericaulon spp.*), false foxglove (*Agalinis spp.*), and many more. Our walk is timed to low tide, so the plants will be especially accessible as we study the flora and fauna. We'll get to see Merrymeeting Bay's abundance of water birds and raptors, such as ospreys and eagles. We strongly recommend binoculars

LaPlatte River Marsh

Join us at the LaPlatte River mouth to learn what makes its wetlands one of just eight wetland complexes in Vermont with Class I wetland status. We will explore a diversity of floodplain forests, sand beaches, marshes, and rich uplands. LaPlatte River Marsh Natural Area is filled with numerous rare and unusual wetland species, including plants in the Beggar-ticks genus (*Bidens*) and the sedge family (*Cyperaceae*).

LaPlatte River Marsh, Shelburne, VT

Friday, September 15, 2023, 12 PM - 3 PM

Program Code: FDT9011

Instructor: Aaron Marcus, Assistant Botanist, Vermont Fish & Wildlife Service

Fee: \$53 (Members) / \$60 (Nonmembers)

Certificate: Field: Basic or Advanced, Botany



Button sedge (*Carex bullata*)
Uli Lorimer © Native Plant Trust

Courses

Horticulture & Design

Tips and Techniques for Healthy Seedling Starts

Healthy plants and gardens begin with healthy seedlings; this class will teach you basic yet critical propagation techniques for successful seedling starts. We begin with a brief overview of propagation terminology and science and continue in the greenhouse with hands-on demonstrations and experience. Plan to get your hands dirty and leave with some healthy native seedling starts.

Nasami Farm, Whately, MA

Saturday, April 15, 2023, 1 PM - 4 PM

Program Code: HOR3132

Instructor: Miho Connolly, Nursery Coordinator, Nasami Farm, Native Plant Trust

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture



01

02



Native Herbaceous Plant Materials, Early Season

Over the course of the spring, we will examine a wide variety of native plants for gardens and discuss each plant's cultural and habitat needs as well as its importance to wildlife. The class will cover 90 species and include tips for growing them. You will learn to identify native plants in the New England gardening palette, become familiar with each plant's appropriate use, and identify each plant's role in the ecosystem in terms of attracting pollinators and other wildlife.

Garden on the Woods, Framingham, MA

Mondays, April 24, May 8 & 22, June 5, 2023, 1 PM - 3:30 PM

Program Code: HOR1000

Instructor: Ellen Sousa, Garden Designer, Nursery Operator, and author of *The Green Garden*

Fee: \$180 (Members) / \$220 (Nonmembers)

Certificate: Advanced Core, Horticulture

Edible Natives for City Landscapes

With growing space in cities often in short supply, most garden beds are filled with tomatoes, peppers, and other annual crops. But how about the six inches of soil along the chain link fence? What about the shady soil on the north side of the building? How about that abandoned lot across the road from the community garden? Learn about native edible species that can be grown wherever you can find soil. With an emphasis on low-maintenance and resilient species, these plants offer options for anyone interested in growing food.

Live Virtual

Tuesday, May 11, 2023, 5 PM – 6 PM

Program Code: HORW332

Instructor: Dan Jaffe Wilder, Director of Applied Ecology at Norcross Wildlife Foundation and author of *Native Plants for New England Gardens*

Fee: \$15 (Members) / \$18 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture



03

04



Lawn Alternatives

Every house in America should be fronted with a non-native monoculture with the maintenance requirements of a golf course and the ecological value of a strip mine; a place where all flowers are called weeds and “keep off the grass” signs are the norm.

Does this all seem a bit odd to you? It’s time to take a second look at this idea we call lawn. Join us and learn about the various alternative options available, from whole lawn replacement to strategies for reducing inputs and increasing ecological value. From well-known plants to new introductions, we will discuss various options that fit the needs of various lawn spaces.

Norcross Wildlife Sanctuary, Wales, MA

Sunday, June 11, 2023, 1 PM - 3 PM

Program Code: HOR4102

Instructor: Dan Jaffe Wilder, Director of Applied Ecology at Norcross Wildlife Foundation and author of *Native Plants for New England Gardens*

Fee: \$30 (Members) / \$36 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture



05

Native Hydrangeas

Hydrangeas are one of the most loved plants in the landscape. Yet, many gardeners are unaware of the beauty, sustainability, and benefits of our native Hydrangeas. Instead of being disappointed by plants that aren't suited to our climate, we'll look at the *Hydrangea* choices available for the enjoyment of both people and pollinators.

Live Virtual

Thursday, June 22, 2023, 6 PM - 7 PM

Program Code: HOR2096

Instructor: Cheryl Salatino, Landscape Designer, Dancing Shadows Garden Design, MCH (Massachusetts Certified Horticulturalist)

Fee: \$15 (Members) / \$18 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture

Making Sense of Invasive Plants and Unwanted Vegetation

Explore ways to reclaim backyards, neighborhoods, and parks from the adverse effects of nonnative invasive plants. This talk emphasizes prevention, identification, and low-impact removal techniques. We will also discuss the role of municipalities in invasive plant prevention and management. An extensive handout is included.

Consider joining **Site Preparation for Landscape Transformation** to learn how to prepare sites for new plantings after invasives are removed.

Connecticut Forest and Parks Association,
Rockfall, CT

Saturday, June 17, 10 AM - 11:30 AM

Program Code: HOR6555

Instructor: Kathy Connolly, Landscape Designer, Speaking of Landscapes

Fee: \$15 (Members) / \$18 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture

Site Preparation for Landscape Transformation

Many people consider reducing lawns, converting hayfields, cleaning out weed patches, and otherwise transforming landscapes into pollinator gardens or meadows with native plants. Site preparation is critical, but it is often overlooked in the quest for a finished appearance. This primer covers planning, timelines, and online sources of site information and products.

Connecticut Forest and Parks Association,
Rockfall, CT

Saturday, June 24, 2023, 9:30 AM - 12 PM

Program Code: HOR8028

Instructor: Kathy Connolly, Landscape Designer, Speaking of Landscapes, LLC

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture

Meadows 1-2-3

Learn how native plant meadow-making differs from other forms of horticulture. We will discuss site selection, site preparation, site design, plant selection, planting, and what to expect in years 1, 2, and 3. This program is appropriate for all learning levels, and extensive resource material is provided.

Connecticut Forest and Parks Association,
Rockfall, CT

Saturday, June 24, 2023, 1 PM - 4 PM

Program Code: HOR8001

Instructor: Kathy Connolly, Landscape Designer,
Speaking of Landscapes, LLC

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced,
Horticulture

Native Woody Plant Materials

Explore the huge variety of native trees, shrubs, and woody vines. You will learn which species grow well in shade, which support local wildlife, and how to stagger plantings for continual bloom, fruit production, and fall color. The course addresses growth characteristics, cultural requirements, and best horticultural uses.

Garden in the Woods, Framingham, MA

Sundays, July 9 & 16, 2023, 1 PM - 3:30 PM

Program Code: HOR1100

Instructor: Trevor Smith, Lead Designer, Land
Escapes

Fee: \$108 (Members) / \$132 (Nonmembers)

Certificate: Advanced Core, Horticulture

Shade Gardens: Embracing the Dark Side

Creating lush and vibrant gardens in the shade tends to frustrate even the best gardeners. How do we infuse more color, adventure, and intrigue into these spaces? This workshop blends site-specific assessment, design strategies, and plant options. Bring your project to participate in a flash design collaboration.

Live Virtual

Thursday, July 20, 2023, 5:30 PM - 8:30 PM

Program Code: HOR1214

Instructor: Cheryl Salafino, Landscape Designer,
Dancing Shadows Garden Design, MCH
(Massachusetts Certified Horticulturalist)

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic and Advanced,
Horticulture

06



Native Plant Design and Maintenance, Part 1

Renowned landscape designer Edwina von Gal will present an introduction to the principles of nature-based design, including examples from her projects and her own garden. She will pose questions around the current criteria for beauty that have moved designs away from a focus on earth-friendly. Von Gal will also explore how to move our practices toward an aesthetic that promotes health and happiness for all life forms along with introducing her initiative Two Thirds for the Birds, which challenges all gardeners to plant more natives and use more ecologically sound management methods. The presentation will be followed by a walk through the surrounding landscape for an on-site application of these principles. Suitable for those beginning their journey into native plants as well as professionals.

New Canaan Nature Center, New Canaan, CT

Sunday, July 23, 1 PM – 4 PM

Program Code: HOR8033

Instructor: Edwina von Gal, Founder/Chair, Perfect Earth Project & principal designer, Edwina von Gal + Co.

Fee: \$45 (Members) / \$54 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture

Native Plant Design and Maintenance, Part 2

The increased use of native plants in the designed landscape offers so many wonderful new opportunities, but comes with its own set of challenges. In this course, we will discuss a range of ethical and ecological approaches to garden maintenance, with an emphasis on the selection and care of shrubs and trees that make up the structural layer of our design. Students will leave the course with a better understand of how to manage their gardens and landscapes for long term success, beauty and biodiversity. Suitable for those beginning their journey into native plants as well as professionals.

New Canaan Nature Center, New Canaan, CT

Saturday, July 29, 11 AM – 12:30 PM

Program Code: HOR8034

Instructor: Toshi Yano, Managing Director of Earth Equity, Perfect Earth Project

Fee: \$23 (Members) / \$27 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture



07



08

Native Herbaceous Plant Materials, Late Season

Over the course of mid- to late summer, we will examine a wide variety of native plants for gardens and discuss each plant's cultural and habitat needs as well as its importance to wildlife. We will provide tips for growing more than 80 species. You will become familiar with each plant's appropriate use and study each plant's role in the ecosystem in terms of attracting pollinators and other wildlife.

Garden in the Woods, Framingham, MA
Sundays, July 30 & August 27, 2023, 12:30-3 PM
Program Code: HOR1050

Instructor: Ellen Sousa, Garden Designer, Nursery Operator, and author of *The Green Garden*

Fee: \$75 (Members) / \$90 (Nonmembers)

Certificate: Advanced Core, Horticulture

Learn the Land: An Introduction to Site Analysis

How do we embrace and work in alignment with landscape changes? Moreover, in what instances should we alter site conditions, and how can we do so in a sustainable way? In this workshop, we will learn how to create specific garden design outcomes using shapes, sizes, and plant varieties. This advanced design session includes a set of hands-on exercises to challenge our perspectives and to instill flexibility in our approach. The final session will be held in-person at Garden in the Woods. Students who cannot make it to Garden in the Woods will be able to attend in a hybrid format via Zoom.

Live Virtual and Garden in the Woods,
Framingham, MA

Saturdays, August 6, 13 (Live Virtual) & August 20 (Hybrid), 2023, 2 PM - 4:30 PM

Program Code: HOR8032

Instructor: Cheryl Salatino, Landscape Designer, Dancing Shadows Garden Design, MCH (Massachusetts Certified Horticulturalist)

Fee: \$113 (Members) / \$135 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture

09



Climate Change and Native Plants

Climate change is a multifaceted challenge with numerous—and sometimes unexpected—contributing factors. To create solutions on a personal and manageable scale, we need to turn to the science. This class will cover a brief history of climate change and address carbon and hydrological cycles, the earth's heating and cooling systems, and the importance of wise landscape design, construction, and agriculture to mitigate climate change. We will also discuss the role of native plants in the climate change conversation.

Live Virtual

Monday, August 7, 2023, 6 PM - 7 PM

Program Code: HOR8035

Instructor: Trevor Smith, Lead Designer, Land Escapes

Fee: \$38 (Members) / \$45 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture

Landscape for Life

This intensive course will provide the knowledge, skills, and understanding to create a great-looking garden that is healthier for people and for the environment. The course is based on the principles of the Sustainable Sites Initiative, the nation's first rating system for sustainable landscapes. The comprehensive curriculum covers a range of topics, including soils, water, plants, and landscape materials.

Live Virtual

Wednesdays, August 9, 16, 23, 2023,
5:30 PM - 8:30PM

Program Code: HOR3720

Instructor: Trevor Smith, Lead Designer, Land Escapes

Fee: \$216 (Members) / \$264 (Nonmembers)

Certificate: Advanced Core, Horticulture

Choosing Native Plants

The past decade has seen massive changes in the landscape industry. The days of landscapes dedicated to beauty alone are passing. Customers are demanding ecologically sensitive landscapes; they want reduced lawn, reduced maintenance, and greater wildlife value. In other words, they want native plants. But not all natives make good landscape choices; some are overly fussy about their habitat needs, while others will take over small spaces, and plenty more simply don't resonate with all people. Join us for a discussion about how to work native plants into any landscape. From tried-and-true species to solution plants for hard-to-fill spots, we will discuss how to landscape with native plants successfully.

Norcross Wildlife Sanctuary, Wales, MA

Saturday, August 12, 2023, 1 PM - 3 PM

Program Code: LEC6566

Instructor: Dan Jaffe Wilder, Director of Applied Ecology at Norcross Wildlife Foundation and author of *Native Plants for New England Gardens*

Fee: \$30 (Members) / \$36 (Nonmembers)

Certificate: Elective: Basic or Advanced, Horticulture



Dense blazing star (*Liatis spicata*), Black-eyed Susan (*Rudbeckia hirta*), Eastern purple coneflower (*Echinacea purpurea*), Dan Jaffe © Native Plant Trust

Courses

Youth & Family

Plant Play

Engage your little ones with plants through nature-inspired stories, songs, and crafts. Stories are for children ages three to eight, but all ages are welcome. If the program cannot be conducted in person for public health reasons, it will be conducted virtually.

Saturdays, April 29, May 13, 27, June 10, 24, July 8, 22, August 5, 19, September 2, 2023, 11 AM - 12 PM

Program Code: N/A

Instructor: Elaine Kessler, Professional Storyteller and Children's Educator

Fee: Free of charge with Garden admission



01



02

Creating Native Plant Portraits: Botanical Beauty and Ecological Relationships with Printmaking

Choose a plant to observe and study. Observe and draw the identifying leaf shape, growth habit, and flowers or fruit structures. Research ecological relationships the plant has with other species. Choose some of those to draw, too. Create a design that shares what you've learned, cut a print block, and create prints of your design. Suitable for teens, families, and adults.

Garden in the Woods, Framingham, MA

Saturday, June 10, 2023, 1 PM - 4 PM

Program Code: ART2308

Instructor: Kari Percival, Illustrator, Environmental Educator

Fee: \$45 (Members)/\$54 (Nonmembers)

Certificate: Elective, Basic or Advanced, Horticulture



Certificate Program

Whether you are interested in taking classes for fun, to add breadth and depth to your existing knowledge and skills, or to advance your career, our self-paced certificate programs in Native Plant Studies offer a unique opportunity to learn about the region's flora. Students enrolled in our certificate programs learn to identify, cultivate, and conserve native New England plants while gaining a greater appreciation for their ecological importance. Students also actively participate in ongoing public and private efforts to preserve and restore native New England flora.

Enrollment in the Certificate Program is not required to register for a certificate core course. However, please be aware that courses are designed for the level of certificate students.



01

The Basic Certificate track familiarizes students with the plants of New England, emphasizing structures, skills, and processes. We highly recommend beginning with the Foundations courses, which introduce students to native plant vocabulary, morphology, physiology, ecological context, evolution, and relationships. This knowledge is applied to subsequent courses.

All Basic Certificate core courses are now offered every semester, both in person and virtually.

Foundations:

Plant Form and Function

Plant Ecology

Plant Families

Plants and Their Habitats:

Wildflowers of New England

Native New England Shrubs

Framework Trees of New England

Specialty:

Understanding and Managing Soils

Two Electives (one Botany, one Horticulture)

Application:

Two Studies (one Field, one Landscape)

Community Service: 15 hours

Final Portfolio (Your portfolio is a collection of your completed course materials.)

The Advanced Certificate tracks encourage students to apply their plant knowledge in a Botany & Conservation specialty or a Horticulture & Design specialty. To enter an Advanced track, students must complete the Basic Certificate or have enough experience to qualify for a Basic Certificate. We recommend beginning with the Foundations courses, which provide context for the field or landscape application. All Advanced core courses are offered every year.

Advanced Botany & Conservation:

Foundations:

- Conservation Biology
- New England Plant Communities
- Plant Systematics

Field Conservation:

- Field Identification Techniques
- Botanical Inventory Methods and Techniques
- Wetland Identification and Delineation
- Seed Conservation

Specialty:

- Invasive Plants: Identification, Documentation, and Control
- Two Botany Electives

Application:

- Two Field Studies
- Community Service Leadership Project: 25 hours
- Final Portfolio (Your portfolio is a collection of your completed course materials.)

02



Advanced Horticulture & Design

Foundations:

- Landscape for Life
- History and Principles of Landscape Design
- Horticultural Techniques

Building Your Plant Palette:

- Residential Landscape Design
- Native Herbaceous Plant Materials: Early Season
- Native Herbaceous Plant Materials: Late Season
- Native Woody Plant Materials

Specialty:

- Propagation
- Two Horticulture Electives

Application:

- Two Landscape Studies
- Community Service Leadership Project: 25 hours
- Final Portfolio (Your portfolio is a collection of your completed course materials.)

Registration

Please visit NativePlantTrust.org/education to register for our programs. American Express, Discover, Visa, and MasterCard accepted. For questions regarding registration, email education@NativePlantTrust.org.

ADVANCE REGISTRATION is required for all fee-based programs and is accepted on a first come, first-served basis upon full payment. Early registration is encouraged; programs with insufficient registration may be cancelled five business days before the scheduled start date. If your requested program is filled, please add yourself to the wait list; if space becomes available, you will be contacted according to your position on the wait list. No refunds or transfers can be given for withdrawals within a week of the program start date, or for class sessions you have not attended, except for COVID-19 related reasons. We believe education is interactive, with instructors and students building a community and culture of learning. For this reason, we do not provide virtual program recordings.

EQUAL ACCESS If you need assistance or special accommodations, email education@NativePlantTrust.org or call (508) 877-7630 x3303, at the time you register or as soon as possible thereafter.

Membership

For a full description of member benefits, please visit our website or call (508) 877-7630 x3104

NativePlantTrust.org/support

For immediate discounts on programs, join or renew when you register. Members help conserve and promote the region's native plants to ensure healthy, biologically diverse landscapes.

MEMBERSHIP BENEFITS INCLUDE:

- * Discounts on educational programs throughout New England
- * Annual subscription to Native Plant Trust publications
- * Monthly member e-newsletter
- * Discounts at a wide range of regional and mail-order nurseries through our Nursery Connections Program and our Garden Shops
- * Access to member-only on-demand webinars
- * Invitations to special members' only events

MEMBERSHIP LEVELS:

- * Individual \$40
- * Individual with Garden Access \$55
- * Family/Friends \$75
- * Contributor \$115
- * Supporter \$250
- * Sustainer \$500
- * Conservation Circle \$1,000

Donate

This year, you and fellow plant lovers across the country have gone outdoors and online to learn about plants. Today you have a wonderful opportunity to show your appreciation for the native plants that bring you peace and joy—and for the programs that help you identify, protect, and grow them.

With the record-breaking demand for our classes, we need your support to continue providing new content in accessible formats. Participant fees do not cover the costs of developing and delivering innovative programs. We need your help to keep more than 200 educational experiences available and affordable to everyone this year.

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Use the envelope provided in this catalog

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508-877-7630 x3802

BRING THE GREEN DREAM TO LIFE

More than ever before, people are turning to Native Plant Trust to learn about the natural world. Your generosity will help provide botany and horticulture programs that inspire thousands of people and benefit our planet.

www.NativePlantTrust.org/fundprograms

Native Plant Trust

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