


SPRING/SUMMER 2018

NEW ENGLAND  
WILD  
FLOWER  
SOCIETY



# learn+grow

THE PROGRAMS OF NEW ENGLAND WILD FLOWER SOCIETY



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

The mission of New England Wild Flower Society is to conserve and promote the region's native plants to ensure healthy, biologically diverse landscapes.

Founded in 1900, the Society is the nation's oldest plant conservation organization and a recognized leader in native plant conservation, horticulture, and education.

The Society has its headquarters at Garden in the Woods, a renowned native plant botanic garden in Framingham, Massachusetts, that attracts visitors from all over the world. From this base, 25 staff and 750 volunteers work throughout New England 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.

The Society also operates a native plant nursery at Nasami Farm in western Massachusetts and has seven sanctuaries in Maine, Massachusetts, New Hampshire, and Vermont that are open to the public.

Skunk cabbage (*Symplocarpus foetidus*)



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**Volume 11, Number 1, Spring/Summer 2018**

*Learn + Grow* is published twice a year by New England Wild Flower Society. Members receive discounts on all programs. Annual membership dues start at \$40 for individuals. See page 41 for information.

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*This publication was made possible through the generosity of Jackie and Tom Stone.*

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#### **On the Cover**

Monarda didyma

Photo by Dan Jaffe, New England Wild Flower Society

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#### **Continuing Education Units (CEUs)**

Many of our programs qualify for continuing education units. Below is a list of CEUs we offer. Visit [www.newenglandwild.org/programs](http://www.newenglandwild.org/programs) for a list of qualifying programs.

**AOLCP** - Northeast Organic Farming Association Accredited Organic Land Care Professionals

**CFE** - Society of American Foresters' Continuing Forestry Education

**MCH** - Massachusetts Certified Horticulturist

**MCA** - Massachusetts Certified Arborist

**MCLP** - Massachusetts Certified Landscape Professional



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# *certificates in native plant studies*

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 in Field Botany and Native Plant Horticulture and Design learn about identifying, cultivating, and conserving native New England plants while gaining a greater appreciation for their ecological importance. Students actively participate in ongoing public and private efforts to preserve and restore native New England flora. We offer programs for both Basic and Advanced certificates. To enter the Advanced program, students must complete the Basic Certificate or have enough experience to qualify for a Basic Certificate.

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## **CERTIFICATE ORIENTATION WEBINAR**

Watch this free webinar to learn about the curriculum and structure of the Society's certificate programs in Native Plant Studies.

**Program Code:** CER8000

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## **FIELD BOTANY**

### **Basic Curriculum**

**Eight Core Courses** (all are required)

- Plant Form and Function
- Introduction to Plant Families
- New England Plant Communities
- Wildflowers of New England
- Framework Trees of New England
- Native New England Shrubs
- Field Identification Techniques
- Botanic Inventory Methods

**Four Elective Classes**

**Four Botanical Field Studies**

**Fifteen Hours of Community Service**

Students may volunteer with the Society or with a native plant or plant conservation-oriented organization.

### **Advanced Curriculum**

**Five Core Courses** (all are required)

- Conservation Biology
- New England Plant Diversity Sessions 1-5
- Advanced Plant Inventory Techniques
- Invasive Plants: Identification, Documentation, and Control
- Basic Wetland Identification and Delineation

**Four Elective Classes**

**Three Botanical Field Studies**

**Two Plant Diversity Workshops**

**Twenty-five Hours of Community Service**

Students must complete a Native Plant Community Service Leadership Project. Projects must benefit the community and further the Society's mission.



## ENROLL NOW!

Complete the registration form on page 42 of this catalog or visit us online at [www.newenglandwild.org/learn/certificate](http://www.newenglandwild.org/learn/certificate) to learn more. There is a one-time certificate enrollment fee of \$30. Join the Society to receive discounts on programs.

### CERTIFICATE CREDIT KEY

*Most programs satisfy more than one requirement*

**FB**=Field Botany basic

**Adv.FB**=Field Botany advanced

**HD**=Horticulture and Design basic

**Adv.HD**=Horticulture and Design advanced

**Field**=botanical, horticultural, or design field study

**Core**=Core Courses

**Elective**=Elective Classes

**PDW**=Design or Plant Diversity Workshop

## HORTICULTURE AND DESIGN

### Basic Curriculum

#### Nine Core Courses (all are required)

- Residential Landscape Design
- Horticultural Techniques
- Understanding and Managing Soils
- Plant Form and Function
- Wildflowers of New England
- Native Herbaceous Plant Materials: Early Season
- Native Herbaceous Plant Materials: Late Season
- Native Woody Plant Materials
- Native New England Shrubs

#### Four Elective Classes

#### Four Horticulture and Design Field Studies

#### Fifteen Hours of Community Service

Students may volunteer with the Society or with a native plant or plant conservation-oriented organization.

### Advanced Curriculum

#### Four Core Courses (all are required)

- Landscape for Life
- Native Plants for Professionals
- New England Plant Communities
- Invasive Plants: Identification, Documentation, and Control

#### Four Elective Classes

#### Three Horticulture and Design Field Studies

#### Two Design Workshops

#### Twenty-five Hours of Community Service

Students must complete a Native Plant Community Service Leadership Project. Projects must benefit the community and further the Society's mission.

# special events

## TRILLIUM WEEK • MAY 6-12

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 third annual Trillium Week to celebrate the beauty and variety of trilliums at the Garden. Take a Trillium Tour with our experts or embark on a self-guided exploration; join us for an evening of trilliums, wine, and music; and attend one of our trillium demonstrations. Or simply stroll through the Garden on your own and enjoy the largest collection of trilliums north of Delaware during their peak flowering time. Society-grown trilliums are available for purchase on site while supplies last.



# special events

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## GUIDED TRILLIUM TOURS

Join our knowledgeable guides for an up-close look at the Garden and our award-winning trillium collection. Tours meet at the visitor center.

**Sunday, May 6 through Saturday, May 12, 1-2 p.m.**

**Fee:** Free of charge with Garden admission

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## THRILLED ABOUT TRILLIUMS

Learn from the master in this workshop led by trillium expert Dan Jaffe. Do you want your trillium patch to spread throughout your garden? This workshop will give you the knowledge you need to turn one trillium into many. You will learn how to expertly care for your plants—a practice that starts even before you break ground—and how to select trillium species, prepare a site for planting, and care for a plant once it's in the ground.

**Sunday, May 6; Thursday, May 10; Friday, May 11; and Saturday, May 12, 2-3 p.m.**

**Fee:** Free of charge with Garden admission

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## FROM OUR GARDEN TO YOURS

Choose and purchase trilliums directly from our propagation beds. Take advantage of this unique opportunity while supplies last during Trillium Week. Flag your trilliums during your visit; our staff will dig them at their ideal transplant time and prepare them for you to pick up later. Potted trilliums will also be available for sale at the Garden Shop.

**Sunday, May 6 through Monday, May 7, 10 a.m.-12 p.m.**

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## TRILLIUM AND WINE

Savor wine while listening to live music on a beautiful spring evening in the Garden. Stroll the Garden after hours during Trillium Week and enjoy the largest collection of trilliums north of Delaware during their peak flowering time.

**Friday, May 11, 6-8 p.m.**

Garden in the Woods, Framingham, MA

**Fee:** \$20 (Members)/\$25 (Nonmembers)

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# special events

## ARBOR DAY CELEBRATION AND TREE GIVEAWAY

Come to this fun-filled, family-friendly day to celebrate trees and the forests they live in. There will be children's activities, games, art projects, and investigation stations throughout the Garden. Adults can enjoy guided tours and workshops on planting and pruning trees. We will give away 250 trees on a first-come, first-served basis.

**Sunday, April 28, 2018, 10 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA

**Fee:** Free of charge with Garden admission

## PLANTS AND PINTS

Celebrate the summer solstice in the Garden while enjoying craft beer, great music, and drink-themed demonstrations. You won't want to miss this special night! Local brewers will provide seasonal craft beers and discuss how plants are used in the brewing process. Dan Jaffe will identify native plants for beverages and demonstrate how to make plant-inspired cocktails. Stroll the Garden while enjoying libations, nature, and music. The ticket price includes all the festivities and one craft beer. Additional drinks will be available for purchase. All guests must be at least 21 years old and proper identification is required.

**Saturday, June 16, 2018, 5-8 p.m.**

Garden in the Woods, Framingham, MA

**Fee:** \$30 (Member)/\$35 (Nonmember)

Striped maple (*Acer pensylvanicum*)



## POLLINATE NEW ENGLAND

Please join us as we Pollinate New England! This summer, we will be working with 12 local partners to install pollinator gardens across the region. You can register for a hands-on workshop to learn how to install a pollinator garden. Attend an evening lecture on the plight of pollinators and the great garden plants native to your ecoregion that best support them.

**Visit our website for more information on these summer events.**



# online learning

## ONLINE COURSES

Enjoy the Society's rich educational programming wherever you are. Register now for one of our online courses on native plant botany, horticulture, and design.

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### DESIGNING WITH NATIVE PLANTS

This online course will teach you the basics of designing with native plants and show you how to incorporate native plants into your garden and landscape. Discover the variety of native plants found throughout New England and learn how to design a visually interesting landscape that also supports biodiversity. Students complete the course at their own pace.

**Class access begins Friday, April 6, and will continue through Friday, August 3, 2018**

**Program Code:** HORO100

**Fee:** \$70 (Member)/\$85 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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### GARDENING FOR POLLINATORS

This online course will teach you how to convert a yard into productive pollinator habitat. It will introduce you to issues associated with pollinator decline and current conservation efforts. You will discover a variety of pollinators and the native plants that support their lifecycles. The course guides you through basic pollinator garden design, and provides step-by-step instructions on selecting plants as well as installing, and maintaining your new habitat. Students complete the course at their own pace.

**Class access begins Friday, April 6, and will continue through Friday, August 3, 2018**

**Program Code:** HORO101

**Fee:** FREE

**Certificate:** Elective: HD/Adv.HD

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### PLANTS 101: INTRODUCTION TO THE GREEN WORLD

Explore New England's plant life in this online course. You will learn what plants are, how they function, and why they are essential to all life on earth. The course introduces many of the region's native and non-native plants. Students complete the course at their own pace.

**Class access begins Friday, May 18, and will continue through Friday, July 13, 2018**

**Program Code:** BOTO101

**Fee:** \$100 (Member)/\$125 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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### PLANTS 102: DEEPER INTO THE GREEN WORLD

Delve deeper into the New England flora in this online course. Learn how plants change as they grow; how they interact with other species; and how geology, soils, land-use history, hydrology, and climate shape the plant communities of the region. Plants 101 is a complement to Plants 102, but is not a prerequisite. Students complete the course at their own pace.

**Class access begins Friday, May 18, and will continue through Friday, July 13, 2018**

**Program Code:** BOTO102

**Fee:** \$100 (Member)/\$125 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

# online learning

## WEBINARS

Join us for live webinars to learn about plant conservation, gardening, native plants, and more. Watch three live webinars to earn one elective class.

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### PLANT COMMUNITIES OF MASSACHUSETTS

There are many different plant communities in MA. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Tuesday, March 6, 2018, 6-7 p.m.**

**Program Code:** BOTW300

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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### INTRODUCTION TO DESIGNING WITH NATIVES

Although most often associated with natural settings like meadows, forests, and pond edges, native plants can work beautifully in built landscapes. Learn which native plants work best for gardens and what principles of design enhance their aesthetic appeal.

**Wednesday, March 21, 2018, 7-8 p.m.**

**Program Code:** HORW210

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$10 (Member) /\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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### PLANT COMMUNITIES OF NEW HAMPSHIRE

There are many different plant communities in NH. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Tuesday, April 10, 2018, 6-7 p.m.**

**Program Code:** BOTW505

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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### RAIN GARDEN PLANTS

Rain gardens can reduce groundwater pollution in urban landscapes by cleaning, cooling, and slowing stormwater. Learn how to maximize rain garden function by using the most durable native plants in some of the toughest spots.

**Thursday, April 26, 2018, 7-8 p.m.**

**Program Code:** HORW211

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$10 (Member) /\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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## HISTORY OF BOTANICAL ILLUSTRATION

This webinar traces the history of botanical illustration from Paleolithic times to the present, taking you on a fascinating journey from early cave painters to religious artisans, explorers, and painters such as Pierre Redoute, George Ehret, and Margaret Mee. We will also explore more contemporary interpretations of botanical illustration.

**Wednesday, May 23, 2018, 1-2 p.m.**

**Program Code:** BOTW513

**Instructor:** Dorie Petrochko, president of Connecticut Natural Science Illustrators

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** N/A

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## GREEN GARDEN INFRASTRUCTURE

Green infrastructure is the backbone of an environmentally responsible garden. Learn how to incorporate low-cost and low-tech solutions for managing stormwater, harvesting rainwater, and reducing excess heat and pollution. Anna Fialkoff will introduce you to rain gardens, green roofs, permeable paving, and other landscape elements you can build without the help of an engineer or landscape architect.

**Wednesday, July 18, 2018, 7-8 p.m.**

**Program Code:** HORW331

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$10 (Member) /\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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*Nidulorum burchellii* by Margaret Mee

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## PLANT COMMUNITIES OF CONNECTICUT

There are many different plant communities in CT. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Tuesday, September 11, 2018, 6-7 p.m.**

**Program Code:** BOTW302

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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## PLANT COMMUNITIES OF VERMONT

There are many different plant communities in VT. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Tuesday, October 9, 2018, 6-7 p.m.**

**Program Code:** BOTW504

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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## PUTTING YOUR GARDEN TO BED

Wondering when to cut back your perennials, and how long into autumn you can plant or prune perennials, trees, and shrubs? Want to know about the most wildlife-friendly approach? Anna Fialkoff will talk about how you can transition your garden into winter dormancy while balancing winter and spring preparation, beauty, and wildlife value.

**Thursday, October 11, 2018, 7-8 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HORW343

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$10 (Member) /\$13 (Nonmember)

**Certificate:** Elective: HD/Adv.HD

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## EX-SITU CONSERVATION— GLOBAL INITIATIVES AND CONTEXT

Ex-situ (or off-site) conservation is a means of preserving genetic materials outside of a plant's natural habitat. Among the many methods of ex-situ conservation, the Society's regional Seed Bank is a local example of an effort to preserve rare and endangered species. Many other plant materials can be stored this way, including rare heirloom vegetables. There are also other ways to store seeds. Join Seed Bank Coordinator Michael Piantedosi to discuss the many efforts to preserve given genotypes throughout the world and close to home.

**Tuesday, October 16, 2018, 2-3 p.m.**

**Program Code:** BOTW512

**Instructor:** Michael Piantedosi, NEPCoP/seed bank coordinator

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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## PLANT COMMUNITIES OF MAINE

There are many different plant communities in ME. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Tuesday, November 13, 2018, 6-7 p.m.**

**Program Code:** BOTW301

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB

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## PLANT COMMUNITIES OF RHODE ISLAND

There are many different plant communities in RI. We will discuss their distinguishing characteristics and explore the common species found in each. This webinar offers a great introduction to the diverse flora of New England.

**Tuesday, December 4, 2018, 6-7 p.m.**

**Program Code:** BOTW503

**Instructor:** Laney Widener, botanical coordinator, New England Wild Flower Society

**Fee:** \$10 (Member)/\$13 (Nonmember)

**Certificate:** Elective: FB/Adv.FB



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## FRUITS AND SEEDS REVEALED

Plants need their seeds to move around so they can propagate the next generation. We will look at how plants have adapted a variety of ways to disperse their seeds. After a lecture on seed and fruit structures, we will look at examples of some of the adaptations using hand lenses and microscopes.

**Saturday, March 24, 2018, 6-8 p.m.**

Nasami Farm, Whatley MA

**Program Code:** BOT1019

**Instructor:** George LoCascio, naturalist

**Fee:** \$26 (Member)/\$32 (Nonmember)

**Limit:** 20

**Certificate:** Elective: FB

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## NEW ENGLAND PLANT DIVERSITY

Keeping up with changes in plant names can be challenging, but it reflects our expanding understanding of the plant kingdom based on genetics, a closer look at plant form, and new ways of analyzing relationships. Learn how to make sense of the new plant universe from one of the best botanists in the field, Arthur Haines. We suggest starting with Session 1. Sessions 2-5 may be taken in any order. Bring a copy of *Plant Systematics: A Phylogenetic Approach* to class.

Garden in the Woods, Framingham, MA

**Instructor:** Arthur Haines, research botanist, New England Wild Flower Society; author of *Flora Novae Angliae*

**Fee:** \$46 (Member)/\$54 (Nonmember)

**Limit:** 20

**Certificate:** Core: Adv.FB; Elective: all certificates

## SESSION 1

This class will study the vocabulary needed to understand plant identification and classification based on vegetative and reproductive structures. An introduction to plant nomenclature, phylogeny, and scientific names will also be provided.

**Coming Fall/Winter 2018**

**Program Code:** BOT2205

## SESSION 2

In this class, students will examine tracheophyte families, starting with free-sporing plants (e.g., ferns) and ending with three major groups of seed plants: nonflowering seed plants (i.e., conifers); magnoliids (i.e., primitive dicots); and monocots.

**Coming Fall/Winter 2018**

**Program Code:** BOT2230

## SESSION 3

This class will focus on tracheophyte families referred to as the tricolpates (i.e., most dicot plants). Discussion will include primitive tricolpates (e.g., Ranunculaceae, Papaveraceae, Maranthaceae) and eurosids (e.g., Rosaceae, Betulaceae, Brassicaceae).

**Sunday, March 25, 2018, 1-4 p.m.**

**Program Code:** BOT2236

## SESSION 4

In this class, students will investigate advanced tricolpate families, often referred to as euasterids (e.g., Lamiaceae, Plantaginaceae, Campanulaceae, Asteraceae).

**Sunday, April 15, 2018, 1-4 p.m.**

**Program Code:** BOT2240

## SESSION 5

In this session, students will gain insight into the breadth and complexity of plant identification. Hybridization and phylogeny will be discussed to provide a deeper appreciation for the role of evolutionary history in understanding organismal relationships.

**Sunday, July 8, 2018 1-4 p.m.**

**Program Code:** BOT2246

# botany + conservation

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## VERNAL MUSTARDS

Members of the mustard family (Brassicaceae), both native and introduced, are among the earliest flowers to bloom in the spring. Using images and herbarium specimens, this presentation will discuss the identification features and habitats of a number of the species in this confusing and often overlooked group of wildflowers, including species of *Arabidopsis*, *Boechera*, *Brassic*, *Cardamine*, *Draba*, *Lepidium*, and several other mustard genera.

**Saturday, March 31, 2018, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW3333

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

**Fee:** \$53 (Member)/\$64 (Nonmember)

**Limit:** 16

**Certificate:** PDW: Adv.FB; Elective: all certificates

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## INTRODUCTION TO PLANT ECOLOGY

This course, which includes one field visit, is a brief introduction to (or review of) plant ecology, the study of the distribution and abundance of plants and their interactions with other organisms and the physical environment. Factors that affect plants as individuals, populations, and communities—life history, resource use, competition, and animal-plant interactions (pollination, dispersal, and herbivory)—will be covered.

**Wednesdays, April 4,11,18, 6:30-8:30 p.m. and Saturday, April 14, 2018, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT1003

**Instructor:** Patricia Swain Rice, natural community ecologist

**Fee:** \$86 (Member)/\$104 (Nonmember)

**Limit:** 18

**Certificate:** Elective: all certificates

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## PLANT ALLERGENS

Are you or someone you know allergic to pollen or food plants? Do you react to poison ivy and similar toxic plants? Learn the science behind plant allergies and how to identify plants that affect your health.

**Saturday, April 7, 2018, 10 a.m.-12 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** LEC1023

**Instructor:** Neela de Zoysa, botanist

**Fee:** \$26 (Member)/\$32 (Nonmember)

**Limit:** 16

**Certificate:** N/A



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## WILDFLOWERS OF NEW ENGLAND

New to the world of native plants? There's no better way to study the region's flora than in the field. In this class, we will learn how to identify New England's native plants by studying their habitats at Garden in the Woods. The class will examine the family characteristics, growth patterns, and key identification features of flowers, leaves, and stems. Bring a hand lens and *Wildflowers of New England*.

**Fee:** \$136 (Member)/\$170 (Nonmember)

**Limit:** 16 per section

**Certificate:** core: FB/HD; Elective: all certificates

*Choose ONE of three sections:*

Garden in the Woods, Framingham, MA

**Instructor:** Neela de Zoysa, botanist

**Tuesdays, April 24, May 1, 8, 15, 2018,  
6:30-9 p.m.**

**Program Code:** BOT3001

Garden in the Woods, Framingham, MA

**Instructor:** Neela de Zoysa, botanist

**Wednesdays, April 25, May 2, 9, 16, 2018,  
10 a.m.-12:30 p.m.**

**Program Code:** BOT3000

Nasami Farm Nursery, Whately, MA

**Instructor:** Lori Benoit, wetland scientist and environmental consultant

**Saturdays, May 5, 12, 19, 26, 2018,  
9:30 a.m.-12 p.m.**

**Course Code:** BOT8309

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## GARDENSCAPES IN WATERCOLOR

Learn to capture a plant in its environment by painting with confident brushstrokes. Capture its delicacy through observation and detail. This step-by-step instruction will introduce you to the spontaneity of the medium as you create textures, highlights, glazes, and the final artwork. Materials not included.

**Thursdays, May 17, 24, 31, and June 7, 14, 21,  
2018, 10 a.m.-12:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** ART8011

**Instructor:** Cecilia Sharma, artist

**Fee:** \$200 (Member) /\$230 (Nonmember)

**Limit:** 12

**Certificate:** N/A

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## BASIC WETLAND ID AND DELINEATION

This two-day course introduces the principal elements of wetland identification including 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. Some preclass reading is required.

**Friday, June 1, and Saturday, June 2, 2018,  
9 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** WET2010

**Instructor:** Alan Anacheka-Nasemann, ecologist and wetland scientist

**Fee:** \$160 (Member)/\$200 (Nonmember)

**Limit:** 12

**Certificate:** Core: Adv.FB; Elective: FB

**Sponsor:** Massachusetts Association of Conservation Commissions



Hobblebush (*Viburnum lantanoides*)

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## NATIVE NEW ENGLAND SHRUBS

Shrubs vary widely in size, shape, color, bark, flower, and fruit. This course will introduce you to almost 50 native New England shrub species, emphasizing plant identification, family characteristics, and historical plant uses. Bring a hand lens. Weekend sessions will be held off-site; directions will be provided during the first class.

**Tuesdays, June 5, 12, 19, 6:30-8:45 p.m.;**  
**Saturdays, June 9, 16, 2018, 9 a.m.-1:30 p.m.**

Garden in the Woods, Framingham, MA, and field sites (Horn Pond, Woburn; Acton Arboretum, Acton)

**Program Code:** BOT3300

**Instructor:** Roland "Boot" Boutwell, naturalist

**Fee:** \$200 (Member)/\$250 (Nonmember)

**Limit:** 16

**Certificate:** Core: FB/HD; Elective: all certificates

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## INTRODUCTION TO PLANT FAMILIES

To really know a plant, you must understand its family. In this class, we'll use microscopic and field investigations to decipher the clues to familial relationships and classifications of the region's wild plants. You will learn the basic formulas for plant structure and practice and apply them to various families. Bring a bag lunch and a hand lens.

**Wednesdays, June 6, 13, 20, 2018, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT2260

**Instructor:** Neela de Zoysa, botanist

**Fee:** \$154 (Member)/\$182 (Nonmember)

**Limit:** 16

**Certificate:** Core: FB; Elective: all certificates



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## WETLAND PLANT ID

Some of the most productive ecosystems on earth are wetlands, but apart from their proximity to water, wetland habitats vary considerably. This is your chance to learn about the indicator plants of different wetland habitats, including shrubs, wildflowers, sedges, grasses, ferns, and some aquatic species. The class features an evening lecture that will present images of wetland plants and a field trip to a site with a variety of wetland plant communities. Bring a hand lens, lunch, and water; be prepared for wet feet.

**Saturday, June 9, 2018, 10 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** WET1000

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

**Fee:** \$80 (Member)/\$96 (Nonmember)

**Limit:** 16

**Certificate:** PDW; Adv.FB; Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## BOTANICAL INVENTORY METHODS

Learn botanical survey methods and spend a day inventorying the flora of a conservation property. The evening session will cover the basics of field preparation using a variety of maps, field guides, aerial photography, GPS units, field supplies, and data sheets. The class will then spend a full day in the field putting the methods into practice. Bring a bag lunch, compass, hand lens, and GPS unit if you have one.

**Thursday, June 14, 6:30-8:30 p.m.; Saturday, June 16, 2018, 10 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA, and field sites

**Program Code:** BOT2050

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

**Fee:** \$123 (Member)/\$145 (Nonmember)

**Limit:** 16

**Certificate:** Core: FB; Elective: all certificates

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## WETLAND SHRUBS

With its varied wetland habitats, including a pond, a stream, and a bog, Garden in the Woods is an excellent field site for examining shrubs that grow in and around wetlands. You will be introduced to 15-20 New England shrubs as well as a handful of shrubs that grow in higher and drier habitats. Please bring lunch, a hand lens, and a field guide to shrubs, if you have them.

**Saturday, July 7, 2018, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** WET3019

**Instructor:** Roland "Boot" Boutwell, naturalist

**Fee:** \$53 (Member) /\$64 (Nonmember)

**Limit:** 16

**Certificate:** Elective: FB/Adv.FB

**Cosponsor:** Massachusetts Association of Conservation Commissions



Sharp-lobed hepatica (*Equisetum Washingtoni*)

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## ORCHIDS OF NEW ENGLAND

Curious about Lady's-slipper orchids or the rose pogonia, made famous by Robert Frost's poem? New England has nearly 30 species of orchids. Some are common; many are of conservation concern. Learn about the members of this highly evolved plant family and their specialized pollination strategies and interesting life cycles.

**Wednesday, July 11, 2018, 10 a.m.-1 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT3036

**Instructor:** Neela de Zoysa, botanist

**Fee:** \$40 (Member)/\$48 (Nonmember)

**Limit:** 16

**Certificate:** Elective: FB

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## 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 montane. Learn how soil, topography, moisture, geological conditions, glaciation, and historical use affect the vegetation of each community. We will study the dominant canopy, structure, range, and characteristic species of each community and then apply this knowledge in the field.

**Tuesdays, July 17, 31, 6-8 p.m.; Sundays, July 22, 29, August 5, 2018, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA, and field sites

**Program Code:** BOT4000

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

**Fee:** \$238 (Member) /\$280 (Nonmember)

**Limit:** 16

**Certificate:** Core: FB/Adv.HD; Elective: all certificates

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Yellow lady's-slipper (*Cypripedium parviflorum* var. *makasin*)

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## TREE IDENTIFICATION

"I think that I shall never see/A poem lovely as a tree." The trees of New England are both beautiful and an essential part of our flora. This course will introduce you to 25-30 common New England trees, emphasizing tree identification as well as natural history. Bring a hand lens and a bag lunch. The first class will be held at Garden in the Woods; the second at an off-site location.

**Monday, July 23, and Wednesday, July 25, 2018, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA, and field site

**Program Code:** BOT3260

**Instructor:** Roland "Boot" Boutwell, naturalist

**Fee:** \$106 (Member)/\$128 (Nonmember)

**Limit:** 16

**Certificate:** Elective: all certificates

**Cosponsor:** Massachusetts Association of Conservation Commissions

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## DRAWING BIRDS IN THEIR HABITATS

This workshop will introduce students to the fascinating world of drawing and painting birds. We will learn how to observe the structure and form of various bird species by field-sketching birds. A small field-painting kit with graphite pencils, micron pens, a small watercolor set, and colored pencils is all you will need to render successful bird studies. Hands-on demonstrations and individual guided instruction and critiques will be offered. Participants will produce a finished portrait of the bird of their choice in its habitat. Materials not included.

**Saturday July 28 and Sunday 29, 2018,  
10:30 a.m.-2:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** ART8012

**Instructor:** Dorie Petrochko, president of Connecticut Natural Science Illustrators

**Fee:** \$100 (Member) /\$115 (Nonmember)

**Limit:** 10

**Certificate:** N/A



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## NATIVE BOTANICAL CYANOTYPE PRINT WORKSHOP

In this hands-on workshop, we will explore the history and methodology of botanical cyanotype prints and create our own. Cyanotypes are an early photographic process using light-sensitive materials and sunlight to create unique and striking 'blue prints' or 'sun prints.' The process lends itself beautifully to the documentation of botanical specimens, both scientifically and artistically.

**Saturday, August 11, 2018, 10 a.m.-2 p.m.**

Nasami Farm, Whatley, MA

**Program Code:** ART8013

**Instructor:** Alexis Doshas, propagator and facilities manager at Nasami Farm Native Plant Nursery

**Fee:** \$53 (Member) /\$64 (Nonmember)

**Limit:** 8

**Certificate:** N/A

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## SMARTWEEDS AND KNOTWEEDS (POLYGONACEAE)

Through a power point presentation, a close look at herbarium specimens, and a foray into the field, this class will investigate the large and complex Polygonaceae family, whose many species in our region range in size from prostrate doorweeds (*Polygonum aviculare*) to the 12-foot giant knotweed (*Fallopia sachalinensis*), and grow in a wide range of habitats. In the field, we will look for and identify a number of upland and wetland species in the *Fallopia*, *Persicari*, and *Polygonum* genera.

**Saturday, August 11, 2018, 10 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW4402

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

**Fee:** \$80 (Member)/\$96 (Nonmember)

**Limit:** 16

**Certificate:** PDW: Adv.FB; Elective: all certificates

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## ADVANCED PLANT INVENTORY TECHNIQUES

This course will cover the procedures and techniques for conducting a botanical inventory on conservation land. Following an evening session, during which we will review research and sampling methods, we will spend a full day in the field inventorying the vascular plants on an ecologically diverse site. On the second evening, we will review our results, identify plants that were puzzling in the field, and compile a complete list of our findings.

**Thursdays, August 16, 23, 6:30 -8:30 p.m.;**  
**Sunday, August 19, 2018, 10 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA, and field sites

**Program Code:** BOT2055

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

**Fee:** \$160 (Member)/\$200 (Nonmember)

**Limit:** 16

**Certificate:** Core: Adv.FB; Elective: all certificates

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## FIELD IDENTIFICATION TECHNIQUES

Equip yourself with the skills and confidence you need to identify native plants in the field. Learn how to use field guides and professional keys, observe floral structures, recognize reliable family characteristics, and become familiar with botanical Latin. This course is designed for students who have taken the Society's Wildflowers of New England course or have some previous experience identifying wildflowers. Bring a hand lens and a bag lunch.

**Mondays, September 10, 17, 24, 2018, 1-5 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT2008

**Instructor:** Leslie Duthie, botanist

**Fee:** \$185 (Member)/\$218 (Nonmember)

**Limit:** 16

**Certificate:** Core: FB; Elective: all certificates



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## ASTERS AND GOLDENRODS

In late summer and early fall, asters and goldenrods come into their own. In this class, the morning discussion will include a presentation of the many asters and goldenrods in our region, focusing on their ecology and identification features. We will also examine specimens from the Society's herbarium. Later we'll visit a nearby natural area to identify the asters and goldenrods growing in the fields, woodlands, and wetlands. In the field, we'll look carefully at the differences that characterize these species. Bring a hand lens and a bag lunch.

**Thursday, September 20, 6:30-8:30 pm.;**  
**Saturday, September 22, 2018, 10 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA, and field site

**Program Code:** PDW4400

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

**Fee:** \$86 (Member)/\$104 (Nonmember)

**Limit:** 18

**Certificate:** PDW: Adv.FB; Elective: all certificates

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## FALL WILDFLOWERS, FRUIT, AND FOLIAGE

Fall is a time of intense activity for plants. Asters and goldenrods provide a last burst of color and insect pollinators abound. Learn to identify seasonal wildflowers and spring-flowering plants in fruit. Through classroom instruction and a walk in the Garden, you will learn the science behind what happens as plants prepare for winter. Bring a hand lens and *Wildflowers of New England*.

**Saturday, September 29, 2018, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** BOT3018

**Instructor:** Neela de Zoysa, botanist

**Fee:** \$53 (Member)/\$64 (Nonmember)

**Limit:** 16

**Certificate:** Elective: FB

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## INVASIVE PLANTS: IDENTIFICATION, DOCUMENTATION, AND CONTROL

What's all the fuss? Botanists, ecologists, horticulturists, and conservation professionals are united in their concern about invasive plants, but there is still some confusion about what they are and what to do about them. In this class, you will study the basic ecological problems created by these aggressive species and the complicated issues involved in controlling them. You will learn to identify many of New England's invasive species through images, specimens, and a local field visit. Bring a bag lunch and a hand lens; wear waterproof shoes and dress appropriately for the weather.

**Thursday October 11, 6:30-8:30 p.m.;** **Saturday, October 13, 2018, 10 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA, and field site

**Program Code:** BOT5130

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

**Fee:** \$124 (Member)/\$145 (Nonmember)

**Limit:** 16

**Certificate:** Core: Adv.FB/Adv.HD; Elective: all certificates



Inkberry (*Ilex glabra*)



## IN THE FIELD

Nothing beats the experience of seeing native plants in their natural environments. These expert-led excursions provide unique access to varied habitats and unusual native plants.

### FIELD TRIP DIFFICULTY RATING

#### Easy

The hike covers mostly level ground and possibly a few gentle hills; walking surfaces are relatively smooth. Easy hikes are generally suitable for anyone who enjoys walking.

#### Easy/moderate

The hike is not flat, but the elevation gain is less than 500 feet per mile. Hikers should be prepared for some gentle uphill walking and possibly a few short, steeper sections.

#### Moderate

The hike ascends at a steady incline, usually 500-800 feet per mile, which would be unsuitable for someone not accustomed to hiking.

#### Moderate/difficult

The hike is challenging, with an average elevation gain of 500-800 feet per mile and some steeper sections or rougher walking conditions. This designation also describes hikes that are quite steep but relatively short.

#### Difficult

The hike features steep inclines and rough footing or rock scrambles. The gain in elevation averages more than 800 feet per mile and frequently reaches or exceeds 1,000 feet or more per mile.

### HIKE TO SUMMIT OF SNAKE MOUNTAIN

Snake Mountain is a prominent ridge that overlooks the Champlain Valley. Thanks to a variety of bedrock types, it harbors a wide diversity of plant and bird species. We expect to find a variety of spring ephemerals, especially displays of white trillium. Depending on interest, we will hike to the summit of the calcareous cliff and see vistas of the Champlain Valley.

**Habitat:** Northern Hardwood Oak-Pine Forest, Calcareous Cliff

**Known for:** Spring ephemerals, especially white trilliums: rare and uncommon plants

**Difficulty:** moderate

**Saturday, May 5, 2018 9 a.m.-1 p.m.**

Snake Mountain Wildlife Management Area, Addison, VT

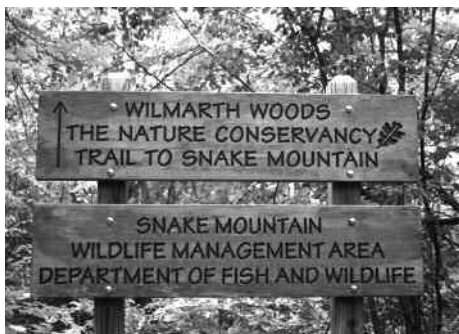
**Program Code:** FDT4040

**Instructor:** Bob Popp, botanist, Vermont Fish & Wildlife Department

**Fee:** \$38 (Member)/\$46 (Nonmember)

**Limit:** 12

**Certificate:** Field: FB/Adv.FB





## HOP BROOK AND VOSSBURG HILLS

This walk follows the Appalachian Trail through an unusual forest community of yellow oak, sugar maple, hemlock, and a variety of wildflowers adapted to dry, high-pH soils. The landscape also features outcroppings and cobbles with a fascinating variety of ferns. On the return, we will look at the flora of a calcareous wet meadow and stream corridor alongside Hop Brook. Bring a bag lunch.

**Habitat:** dry limestone hardwood forest and wet meadow.

**Known for:** wildflowers and ferns

**Difficulty:** easy

**Sunday, May 6, 2018, 11 a.m.-3 p.m.**

Appalachian Trail, Sheffield, MA

**Program Code:** FDT8043

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

**Fee:** \$38 (Member)/\$46 (Nonmember)

**Limit:** 16

**Certificate:** Field: FB/Adv.FB

## ACTON ARBORETUM IN FLOWER

The Acton Arboretum is a little gem situated on 53 acres of orchards, woodlands, and a small bog. The Friends of the Acton Arboretum have planted a host of spring ephemerals in the woodlands and many should be in full bloom. We hope to see wood poppy (*Stylophorum diphyllum*), wild columbine (*Aquilegia canadensis*), trout lily (*Erythronium americanum*), red and white trillium (*Trillium* spp) and many more. We'll focus on wildflower ID as well as fun and interesting natural history. Bring lunch.

**Habitat:** upland forest and bog

**Known for:** spring ephemerals

**Difficulty:** easy/moderate

**Wednesday, May 9, 2018, 10 a.m.2 p.m.**

Acton Arboretum, Acton, MA

**Program Code:** FDT1004

**Instructor:** Roland "Boot" Boutwell, naturalist

**Fee:** \$38 (Member)/\$46 (Nonmember)

**Limit:** 16

**Certificate:** Field: FB

**Cosponsor:** Massachusetts Association of Conservation Commissions



Celandine poppy (*Stylophorum diphyllum*)



## SPRING EPHEMERALS IN A RICH, MESIC FOREST

Ephemeral spring wildflowers are an integral part of the uncommon rich, mesic forest type. In Massachusetts, abundant spring flowers are found primarily in the western part of the state on lime-rich soils such as those at Day Mountain, where a forest canopy dominated by sugar maples provides habitat to significant species diversity.

**Habitat:** northern hardwood forest, including rich, mesic forest

**Known for:** spring ephemerals in rich, mesic forest

**Difficulty:** moderate/difficult, no rocky scrambles, although on a steep hillside

**Sunday, May 20, 2018, 10 a.m. - 1 p.m.**

Day Mountain Wildlife Management Area, Dalton, MA

**Program Code:** FDT8048

**Instructor:** Patricia Swain Rice, natural-community ecologist

**Fee:** \$47 (Member)/\$58 (Nonmember)

**Limit:** 10

**Certificate:** Field: FB

## WILDFLOWERS OF MACOMBER WOODS

Macomber Woods is a woodland oasis that encompasses an upland forest, a babbling brook, and wooded wetlands. There is evidence of human handiwork in the stonework, cattle guards, and century-old wisteria vines and rhododendrons, but clearly the property has been untouched for decades. We expect to see a host of spring wildflowers in bloom, including Indian cucumber root (*Medeola virginiana*), pink lady's-slippers (*Cypripedium acaule*) and jack-in-the-pulpit (*Arisaema triphyllum*). Bring lunch.

**Habitat:** old estate with upland forest, streams, and wooded wetlands

**Known for:** spring wildflowers

**Difficulty:** easy/moderate

**Tuesday, May 22, 2018, 10 a.m. - 12 p.m.**

Macomber Woods, Framingham, MA

**Program Code:** FDT1006

**Instructor:** Roland "Boot" Boutwell, naturalist

**Fee:** \$38 (Member)/\$46 (Nonmember)

**Limit:** 16

**Certificate:** Field: FB

Sharp-lobed hepatica (*Hepatica acutiloba*)



Pink lady's-slippers (*Cypripedium acaule*)





## PHILBRICK-CRICENTI QUAKING BOG

Quaking Bogs are characterized by a thick layer of floating sphagnum moss and plants adapted to a nutrient-poor environment. Philbrick-Cricenti Quaking Bog is one of the best examples of this fascinating habitat, where we will see vegetation similar to that found in the Arctic tundra. We hope to see Rhodora (*Rhododendron canadense*), bog laurel (*Kalmia polifolia*), and leatherleaf (*Chamaedaphne calyculata*) in bloom. Bring a bag lunch and a hand lens.

**Habitat:** Salt and freshwater marshes, swamps, ponds, streams, woodlands, and fields

**Known for:** a host of bog plants and obligate wetland species

**Difficulty:** easy

**Saturday, June 2, 2018, 10 a.m.-2 p.m.**

Philbrick-Cricenti Quaking Bog, New London, NH

**Program Code:** FDT4007

**Instructor:** Roland "Boot" Boutwell, naturalist

**Fee:** \$38 (Member)/\$46 (Nonmember)

**Limit:** 12

**Certificate:** Field: FB



Bog American-laurel (*Kalmia polifolia*)

## INSECTS AND WILDFLOWERS OF EAST LEVERETT MEADOW

Ever wonder how plants and insects interact beyond pollination and herbivory? Join George LoCascio to investigate insect and wildflower interactions. We'll begin with a brief outdoor lecture, then walk around this beautiful meadow to make observations. While discussing pollinators, we'll hone our field identification skills. Bring *Newcomb's Wildflower Guide* and a hand lens if you have them.

**Habitat:** meadow, grassland

**Known for:** rich pollinator habitat

**Difficulty:** easy

**Saturday, June 30, 2018, 9:00 -10:30 a.m.**

Leverett, MA

**Program Code:** FDT8040

**Instructor:** George LoCascio, naturalist

**Fee:** \$14 (Member)/\$17 (Nonmember)

**Limit:** 20

**Certificate:** Field: FB/Adv.FB

## PLANT COMMUNITY EXPLORATION

Explore the Leverett town trails system as it meanders through four different habitat communities. We will explore the key characteristics of each plant community and identify predominant plant species found in each. Bring your plant ID guides for some field practice. We will also cross the only covered bridge in Leverett.

**Habitat:** Meadow, pine barren, hemlock stand, wetland

**Known for:** pollinators, wild flowers, mosses

**Difficulty:** moderate

**Saturday, June 23, 2018, 9:30 a.m.-12:00 p.m.**

Leverett, MA

**Program Code:** FDT8044

**Instructor:** George LoCascio, naturalist

**Fee:** \$23 (Member)/\$28 (Nonmember)

**Limit:** 20

**Certificate:** Field: FB



Black crowberry (*Empetrum nigrum*)

## THE FLORA OF EASTERN MAINE

We will explore various habitats on the Schoodic Peninsula and the plants that grow there. We will see rare species and unusual natural communities. Pack a lunch.

**Habitat:** maritime spruce-fir, coastal headland, salt marsh, Jack pine-broom crowberry woodland

**Known for:** coastal communities and rare arctic plant species that reach their southern range limit in this area

**Difficulty:** moderate, over rocky shorelines and uneven ground

**Saturday, July 14, 2018, 10 a.m.-3 p.m.**

Schoodic Point, Acadia National Park, Winter Harbor, ME

**Program Code:** FDT8o47

**Instructor:** Jill Weber, consulting botanist

**Fee:** \$47 (Member)/\$58 (Nonmember)

**Limit:** 10

**Certificate:** Field: FB/Adv.FB

## SPECIAL HABITATS AND PLANTS OF ACADIA NATIONAL PARK

We will explore various habitats in Acadia National Park and the plants that grow there. We will see rare species and unusual natural communities, and learn about the Society's ongoing habitat restoration work in the park. Pack a lunch.

**Habitat:** maritime spruce-fir, coastal headland,

salt marsh, pitch pine-broom crowberry woodland

**Known for:** coastal communities and rare arctic plant species that reach their southern range limit in this area

**Difficulty:** moderate, over rocky shorelines and uneven ground

**Saturday, August 4, 2018, 10 a.m.-3 p.m.**

Acadia National Park, Bar Harbor, ME

**Program Code:** FDT8o46

**Instructor:** Jill Weber, consulting botanist

**Fee:** \$47 (Member)/\$58 (Nonmember)

**Limit:** 10

**Certificate:** Field: FB/Adv.FB

## BOTANY OF THE NEW HAMPSHIRE COASTLINE

Great Bay National Wildlife Refuge is located along the eastern shore of New Hampshire's Great Bay in the town of Newington. The refuge protects more than 1,000 acres along the seacoast for migratory birds and other wildlife. One of the longest stretches of undeveloped shoreline along the bay, it consists of mud flats, salt- and freshwater marshes, swamps, ponds, streams, woodlands, and fields. Join Seed Bank Coordinator Michael Piantedosi as we explore this diverse refuge and learn a bit about its dynamic flora.

**Habitat:** salt- and freshwater marshes, swamps, ponds, streams, woodlands, and fields

**Known for:** dynamic range of habitat, coastal refuge, migratory birds

**Difficulty:** moderate

**Saturday, August 18, 2018, 10 a.m.-1 p.m.**

Great Bay National Wildlife Refuge – Arboretum Drive, Newington, NH

**Program Code:** FDT8o45

**Instructor:** Michael Piantedosi, NEPCoP/seed bank coordinator

**Fee:** \$28 (Member)/\$35 (Nonmember)

**Limit:** 12

**Certificate:** Field: FB/Adv.FB



## BOTANY IN THE SALT MARSH

Barnstable Great Marsh is an integral part of the ecologically significant 3,800-acre Sandy Neck salt marsh and barrier beach system. Join Michael Piantedosi to explore this critical coastal ecosystem and learn about its resident flora.

**Habitat:** salt marsh, coastal

**Known for:** 3,800-acre salt marsh ecosystem and Sandy Neck

**Difficulty:** easy/moderate

**Sunday, August 26, 2018, 10 a.m.-1 p.m.**

Barnstable Great Marsh Wildlife Sanctuary, Barnstable, MA

**Program Code:** FDT8041

**Instructor:** Michael Piantedosi, NEPCoP/seed bank coordinator

**Fee:** \$28 (Member)/\$35 (Nonmember)

**Limit:** 15

**Certificate:** Field: FB/Adv.FB

## FLORA OF NEW ENGLAND COASTAL SAND DUNES

Parker River National Wildlife Refuge is home to extensive sandy beach and dune habitat, where many shore birds and wildlife flourish amid the varied flora of the area. Join Seed Bank Coordinator Michael Piantedosi to discuss the plants of the salt marsh and the sand dune habitats that make Parker River so unique.

**Habitat:** sandy beach/dune, salt marsh, coastal

**Known for:** more than 200 acres of sand dunes, Plum Island, and piping plover habitat

**Difficulty:** moderate

**Saturday, September 8, 2018, 10 a.m.-1 p.m.**

Parker River National Wildlife Refuge, Newburyport, MA

**Program Code:** FDT8039

**Instructor:** Michael Piantedosi, NEPCoP/seed bank coordinator

**Fee:** \$28 (Member)/\$35 (Nonmember)

**Limit:** 6

**Certificate:** Field: FB/Adv.FB

## ROCKY SUMMITS, SPRUCE FORESTS, AND THE HABITATS IN BETWEEN

Hike through Mt. Watatic Reservation's open summits, the adjoining spruce and northern hardwoods forests, and several types of transition communities between them. The views of the multiple community types should provide near-peak fall color, great for differentiating species and for our enjoyment.

**Habitat:** northern forests including spruce, fir, northern hardwoods, and rocky summits

**Known for:** red spruce forest, spruce and northern hardwood forests, acid rocky summits, open oak forest, ridgetop heathland, blueberries, and huckleberry barrens

**Difficulty:** moderate/difficult, on a steep hillside, but little scrambling required

**Sunday, September 16, 2018, 10 a.m. - 2 p.m.**

Watatic Mountain Reservation and Sanctuary, Ashburnham and Ashby, MA

**Program Code:** FDT8049

**Instructor:** Patricia Swain Rice, natural community ecologist

**Fee:** \$38 (Member)/\$46 (Nonmember)

**Limit:** 10

**Certificate:** Field: FB



# urban gardening series

The urban gardening series is a set of lectures designed to help city dwellers grow healthy, sustainable, and beautiful gardens. Led by New England Wild Flower Society in partnership with the Cambridge Conservation Commission, these free lectures take place at the Cambridge Public Library, 449 Broadway, Cambridge, MA.

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## FRESH POND RESERVATION— PARKWAY LANDSCAPE RESTORATION

Join the landscape architect and horticulture specialists as they explain the design of the Fresh Pond Reservation Parkway Landscape Restoration, a drainage and community garden project that began in 2009. The project will restore native plant communities, re-purpose and improve a former rail corridor, address stormwater treatment and drainage, and update the community garden. Learn about the actions that make this project come to life!

**Saturday, March 3, 2018 10:30 a.m. - 12:00 p.m.**

**Program Code:** LEC8014

**Instructor:** Kaki Martin and Zachary Navarro

**Fee:** FREE

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## GROWING FOOD IN THE CITY

Even in the city, you can grow your own fresh produce. During this lecture, we will discuss garden design and installation, crop planning, plant selection, and organic and ecologically responsible pest and disease management. Whether your goal is to transform your lawn into a vegetable garden or just grow a few herbs, you will learn the techniques for producing edibles in an urban space.

**Saturday, April 28, 2018, 10:30 a.m.-12:00 p.m.**

**Program Code:** LEC6567

**Instructor:** Rie Macchiarolo, urban farmer,  
Green City Growers

**Fee:** FREE



# urban gardening series

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## PLANTING FUNDAMENTALS

There's a lot to consider when adding new plants to your garden. Learn how to choose healthy specimens at the garden center and how best to plant trees, shrubs, and herbaceous plants to get them off to a good start in your urban garden.

**Tuesday, May 15, 2018, 6-7:30 p.m.**

**Program Code:** LEC8014

**Instructor:** Mark Richardson, botanic garden director

**Fee:** FREE

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## RAIN GARDEN FUNDAMENTALS

As more land is developed for building, space for stormwater absorption and cleaning is rapidly disappearing. Rain gardens can play a significant role in urban and suburban areas by cleaning, cooling, and slowing runoff so that it doesn't pollute water bodies. Learn how rain gardens work, how you can create a low-tech and effective rain garden, and which durable natives you should plant there.

**Saturday, June 30, 2018, 10:30 a.m.-12:00 p.m.**

**Program Code:** LEC8012

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** FREE

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## NATIVE LAWN ALTERNATIVES FOR URBAN SPACES

"Lawns are a soul-crushing time suck" cries the media. Lawn covers more surface area of the U.S. than any other single irrigated crop, according to NASA. Lawns are resource-heavy, requiring irrigation, fertilizer, and pesticides to thrive in our climate. Learn some of the best, environmentally friendly lawn alternatives for urban gardens.

**Saturday, July 28, 2018, 10:30 a.m.-12:00 p.m.**

**Program Code:** LEC8011

**Instructor:** Mark Richardson, botanic garden director

**Fee:** FREE

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## NATIVE PLANTS FOR NEW ENGLAND GARDENS—BOOK TALK

Dan Jaffe, coauthor of *Native Plants for New England Gardens*, wants to teach you how to create lovely, low-maintenance gardens that support biodiversity and thrive in New England. This handy guide to more than 100 great native perennials, trees, shrubs, ferns, grasses, and vines features practical information accompanied by beautiful color photography. Join him for this informative discussion about native plants and all their garden uses—from plants to use instead of mulch to tough plants for urban gardens.

**Saturday, August 18, 2018, 10:30 a.m.-12:00 p.m.**

**Program Code:** LEC8013

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** FREE



### NATIVE PLANTS for New England Gardens

Mark Richardson and Dan Jaffe





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## MEADOWS 1-2-3

This one-day seminar provides a foundation for how to create and maintain a meadow. Topics include: definition of meadows, site selection, design challenges, public acceptance, site preparation, the roles of grasses and flowering species, plant selection, seeds, plugs, supplies, tools, weeds, and what to expect in years one, two, and three. An extensive list of plants and design resources is included. Suitable for anyone interested in meadow-making. Bring a bag lunch.

**Friday, March 9, 2018, 10 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8001

**Instructor:** Kathy Connolly, landscape designer, Speaking of Landscapes, LLC

**Fee:** \$80 (Member)/\$96 (Nonmember)

**Limit:** 50

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## NATIVE PLANTS FOR LANDSCAPE DESIGN

Native plants offer as much design value as the traditional exotic plants used in most American landscapes. This class will identify native plants formerly unused in the designed landscape and discuss the characteristics they offer in specific site conditions.

**Saturday, March 10, 2018, 10 - 11 a.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8014

**Instructor:** Amy Nyman, landscape designer and owner, Ruby Leaf Design

**Fee:** \$15 (Member)/\$17 (Nonmember)

**Limit:** 16

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## WILD EDIBLES: WHAT TO GROW, WHAT TO SEEK, AND HOW TO DO IT

From wild broccoli to Oswego tea, our native flora is brimming with wild and tasty species. Join Dan Jaffe for a crash course on delicious native treats. We'll discuss cultivation in any site, sustainable foraging, and recipes for food and drink!

**Saturday, March 17, 2018, 12-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8017

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$40 (Member)/\$48 (Nonmember)

**Limit:** 50

**Certificate:** Elective: HD/Adv.HD

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## WEEDS

What is a weed? Why do weeds appear? How should we remove them? Are some weeds beneficial? The answers to these questions are not always straightforward. For instance, violets are one of the most important plants for fritillary butterflies, and yet they are labeled weeds. Goldenrods, which provide more wildlife benefit than any other herbaceous plant in the flora, are also considered weeds. Join Dan Jaffe for a fascinating discussion of weeds and their place in the landscape.

**Thursday, March 22, 2018, 9 a.m.-12 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8010

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$40 (Member)/\$48 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance



New Jersey tea (*Ceanothus americanus*)

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## PLANTS FOR POLLINATORS

From meadows to mountain tops, our natural areas are often touted as the best places for pollinators and wildlife—but what about our gardens? Join Dan Jaffe for a crash course on the relationships between flora and fauna in the garden. Ecological gardening techniques, strategies for attracting new pollinators to your landscape, and the best native plants for each site will be discussed.

**Tuesday, March 27, 2018, 1-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8016

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$40 (Member)/\$48 (Nonmember)

**Limit:** 50

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## PROPAGATING NATIVE PLANTS FROM SEED

Learn all about propagating native plants from seed in this two-part, hands-on workshop. Take one or both sections of the workshop. We'll focus on practical methods for propagating on a small scale. Appropriate for the beginner and more experienced propagator.

Nasami Farm Nursery, Whately, MA

**Instructor:** Kate Stafford, horticulturist

**Fee:** \$40 (Member)/\$48 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

### PART 1: Seed Dormancy and Sowing Techniques

Explore seed biology and practice sowing seed. Take home your work.

**Coming Fall 2018**

**Program Code:** HOR1807

### PART 2: Seedling Germination and Establishment

Learn the science behind successful seed starting and practice transplanting. Take home your work.

**Sunday, April 29, 2018, 10 a.m.-1 p.m.**

**Program Code:** HOR1808



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## SUSTAINABLE SITE DESIGN BASICS

This course will explore the fundamentals of landscape design that integrates buildings sustainably into their landscapes and with a view to reducing maintenance needs. Students investigate sustainable design strategies that address the ecological, water, energy, and food systems. Topics include design principles and process, native plant community restoration and maintenance. Students will complete a short design assignment.

**Thursday, April 5, 2018, 9 a.m.-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8019

**Instructor:** Tom Benjamin, RLA

**Fee:** \$120 (Member)/\$138 (Nonmember)

**Limit:** 20

**Certificate:** Elective: HD/Adv.HD

**Sponsor:** Ecological Landscape Alliance

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## ADDRESSING CLIMATE CHANGE IN YOUR YARD

Climate change is here, and it is affecting our landscapes due to increased flooding, more frequent droughts, more extreme weather events, and increasing temperatures. Want to help fight climate change at home? Learn how the plants you choose and the landscape practices you use can help reduce the impacts of climate change and improve the environment around you.

**Saturday, April 21, 2018, 10 a.m.-1 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR8018

**Instructor:** Kim Eierman, founder, EcoBeneficial

**Fee:** \$40 (Member)/\$48 (Nonmember)

**Limit:** 20

**Certificate:** Elective: HD/Adv.HD





Spotted bee balm (*Monarda punctata*)

## NATIVE HERBACEOUS PLANT MATERIALS: EARLY SEASON

Discover numerous native perennials suitable for New England gardens. We'll look at native herbaceous plants that bloom in spring and early summer, focusing on their characteristics and environmental preferences as well as their uses in landscapes and gardens. Be prepared to walk in the Garden each day. This class is appropriate for landscape professionals and avid home gardeners. It is a companion to Native Herbaceous Plant Materials: Late Season, but can be taken separately.

**Mondays, April 23, May 7, 21, June 4, 2018, 1-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1000

**Instructor:** Leslie Duthie, botanist

**Fee:** \$154 (Member)/\$182 (Nonmember)

**Limit:** 12

**Certificate:** Core: HD; Elective: Adv.HD

## CONTAINER GARDENING WITH NATIVE PERENNIALS

Kick those petunias to the curb and create a show-stopping container garden using native plants! Become familiar with the species that thrive in containers and discover how to combine them. Learn about containers, soil mechanics, fertilizers, and proper care. Bring your own container and get creative. Plants are available for purchase, and potting soil is provided.

*Choose ONE of two sections:*

**Sunday, May 6, 2018, 10 a.m.- 12 p.m.**

Nasami Farm Nursery, Whately, MA

**Program Code:** HOR2952

**Instructor:** Kate Stafford, horticulturist

**Fee:** \$26 (Member)/\$32 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

**Sunday, June 24, 2018, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR2952

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$26 (Member)/\$32 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.H



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## **BENEFICIAL BUG TOUR OF NASAMI**

Tour the greenhouses at Nasami Farm; see how common pests are successfully managed with biological controls in lieu of pesticides. Biocontrols are intentionally released insects, mites, nematodes, and microorganisms. Scout for some of these beneficial bugs and their prey. Learn about the grisly end of an aphid that encounters a predatory wasp. Bring a hand lens and sun protection.

**Sunday, June 10, 2018, 10 a.m.- 12 p.m.**

Nasami Farm Nursery, Whately, MA

**Program Code:** HOR2959

**Instructor:** Kate Stafford, horticulturist

**Fee:** \$26 (Member)/\$32 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## **RAIN GARDEN FUNDAMENTALS**

As more land is developed for building, badly needed space for stormwater absorption and cleaning is rapidly disappearing. Rain gardens can play a significant role in urban and suburban areas by cleaning, cooling, and slowing runoff so that it doesn't pollute water bodies. Learn how rain gardens work, how you can create a low-tech and effective rain garden, and which durable natives you should plant there.

**Sunday, June 10, 2018, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR4073

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$20 (Member)/\$24 (Nonmember)

**Limit:** 30

**Certificate:** Elective: HD/Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## **DESIGNING A GARDEN FOR ALL SEASONS: SPRING EDITION**

How do you both captivate people and provide for wildlife year-round in a garden for all seasons? Anna Fialkoff will discuss garden designs that focus your plant palette on structure and seasonal themes to carry you through the year. Afterward, you will walk through Garden in the Woods to see how the horticulture team tackles the midspring and summer seasons at Garden in the Woods.

**Friday, June 15, 2018, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW4401

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$26 (Member)/\$32 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD



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## HORTICULTURAL TECHNIQUES

Good horticultural practices form the backbone of any successful garden, and understanding how to apply these practices is the first step toward becoming a horticulturist. Learn how to select the right plant for the right place and how to plant and care for native plants. Participants will study the proper techniques for transplanting, preparing soil, mulching, watering, and pruning as well as maintaining, winterizing, and preparing the garden for the next growing season.

**Tuesdays, July 10, 17, 31, 2018, 12-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR3600

**Instructor:** Horticulture staff, New England Wild Flower Society

**Fee:** \$139 (Member)/\$163 (Nonmember)

**Limit:** 16

**Certificate:** Core: HD; Elective: Adv.HD

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## CREATING AND IMPLEMENTING A COMPREHENSIVE IPM PLAN

An Integrated Pest Management (IPM) plan is a tool for growers to control pests in a timely, safe, and efficient manner and a key to producing and maintaining healthy plants. An IPM plan includes sanitation and prevention, conservation, and augmentation methods using beneficial organisms. We will explore, discuss, and begin work on individual IPM plans.

**Saturday, July 21, 2018, 10 a.m.-12 p.m.**

Nasami Farm, Whatley, MA

**Program Code:** HOR8015

**Instructor:** Alexis Doshas, propagator and facilities manager at Nasami Farm Native Plant Nursery

**Fee:** \$26 (Member)/\$32 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

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## NATIVE ARRANGEMENTS

Join Anna Fialkoff in using plant materials gathered from Garden in the Woods to create a beautiful arrangement for your home. First we will hike into the Garden to learn best practices for collecting plant materials, and then we'll head back to the classroom to create a unique display piece. Bring pruners and a container or vase for your arrangement.

**Saturday, July 21, 2018, 1-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR2903

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$33 (Member) /\$40 (Nonmember)

**Limit:** 14

**Certificate:** Elective: all certificates

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## NATIVE HERBACEOUS PLANT MATERIALS: LATE SEASON

Discover numerous native perennials suitable for New England gardens. We'll look at native herbaceous plants that bloom in late summer and fall, focusing on their characteristics and environmental preferences as well as their uses in landscapes and gardens. Be prepared to walk in the Garden each day. This class is appropriate for landscape professionals and avid home gardeners. It is a companion to Native Herbaceous Plant Materials: Early Season, but may be taken separately.

**Thursdays, July 26, August 30, 2018, 1-3:30 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1050

**Instructor:** Leslie Duthie, botanist

**Fee:** \$77 (Member)/\$91 (Nonmember)

**Limit:** 12

**Certificate:** Core: HD; Elective: Adv.HD

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## NATIVE PLANTS FOR PROFESSIONALS

Join Dan Jaffe to learn about the best native plant materials available today for use in the design and landscape trades. Covering everything from plants for tough spots to specialty plants for specific habitats, this class will add a host of less-familiar native species to your plant palette.

**Wednesdays, August 8, 15, 2018, 10 a.m.-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** HOR1200

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$162 (Member)/\$190 (Nonmember)

**Limit:** 20

**Certificate:** Core: Adv.HD; Elective: HD

**Cosponsor:** Ecological Landscape Alliance

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## SEED SAVING

Seed saving brings tremendous benefits to the willing gardener. Learn how seeds develop, stay dormant, and germinate. This hands-on workshop covers harvesting, cleaning, and storing a wide spectrum of native seeds. Spend time in the field observing and collecting seeds, then practice cleaning. Take your work home with you. Bring a lunch and dress appropriately for the field.

**Sunday, August 26, 2018, 10 a.m.-3 p.m.**

Nasami Farm Nursery, Whately, MA

**Program Code:** HOR3205

**Instructor:** Kate Stafford, horticulturist

**Fee:** \$66 (Member)/\$80 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

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## NATIVE WOODY PLANT MATERIALS

Explore the huge variety of native trees, shrubs, and woody vines. Learn which species grow well in shade, which support local wildlife, and how to stagger plantings for continuous bloom, fruit production, and fall color. We'll discuss growth characteristics, cultural requirements, and best horticultural uses. The course will include lectures and walks in the Garden as well as a field trip to The Arnold Arboretum. Bring a bag lunch.

**Tuesday, August 28, 10 a.m.-2:30 p.m.;**

**Tuesday, September 4, 11 a.m.-1 p.m.;**

**Tuesday, September 11, 2018,**

**10 a.m.-2:30 p.m.**

Garden in the Woods, Framingham, MA, and the Arnold Arboretum, Boston, MA

**Program Code:** HOR1100

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$170 (Member)/\$200 (Nonmember)

**Limit:** 16

**Certificate:** Core: HD; Elective: Adv.HD

**Cosponsor:** Ecological Landscape Alliance

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## DESIGNING A GARDEN FOR ALL SEASONS: AUTUMN EDITION

How do you both captivate people and provide for wildlife year-round in a garden for all seasons? Anna Fialkoff will discuss garden designs that focus your plant palette on structure and seasonal themes to carry you through the year. Afterward, you will walk through Garden in the Woods to see how the horticulture team tackles the autumn season at Garden in the Woods.

**Tuesday, October 23, 2018, 1-3 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** PDW4403

**Instructor:** Anna Fialkoff, horticulturist, New England Wild Flower Society

**Fee:** \$26 (Member)/\$32 (Nonmember)

**Limit:** 15

**Certificate:** Elective: HD/Adv.HD

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## IN THE FIELD

Nothing beats the experience of seeing native plants in their natural environments. These expert-led excursions examine native plants and explore techniques to cultivate them for function and beauty.

### FIELD TRIP DIFFICULTY RATING

#### Easy

The hike covers mostly level ground and possibly a few gentle hills; walking surfaces are relatively smooth. Easy hikes are generally suitable for anyone who enjoys walking.

#### Easy/moderate

The hike is not flat, but the elevation gain is less than 500 feet per mile. Hikers should be prepared for some gentle uphill walking and possibly a few short, steeper sections.

#### Moderate

The hike ascends at a steady incline, usually 500-800 feet per mile, which would be unsuitable for someone not accustomed to hiking.

#### Moderate/difficult

The hike is challenging, with an average elevation gain of 500-800 feet per mile and some steeper sections or rougher walking conditions. This designation also describes hikes that are quite steep but relatively short.

#### Difficult

The hike features steep inclines and rough footing or rock scrambles. The gain in elevation averages more than 800 feet per mile and frequently reaches or exceeds 1,000 feet or more per mile.

### NIBBLING ON NATIVES IN YOUR BACKYARD AND BEYOND

There's an increasing interest among homeowners, property managers, and others in utilizing more native species in their landscaping to attract and sustain beneficial insects and pollinators as well as to provide food and shelter for birds and other animals. Yet, for some people, these reasons alone may be insufficient motivation to "go native." Perhaps knowing that many native species can be eaten by people will provide the additional incentive you need to add native species to your yard. Join Russ Cohen for a 90-minute slide show featuring at least two dozen species of native edible wild plants suitable for your own landscape, or for nibbling as you encounter them in other locales. Russ will supply helpful handouts and bring along samples of goodies made from foraged edible native species for participants to taste.

**Wednesday, April 25, 2018, 7-9 p.m.**

Ipswich River Wildlife Sanctuary, Topsfield, MA

**Program Code:** HOR6017

**Instructor:** Russ Cohen, author of *Wild Plants I Have Known...and Eaten*

**Fee:** \$20 (Member)/\$24 (Nonmember)

**Limit:** 50

**Certificate:** Field: HD/ Adv.HD

**Cosponsor:** Mass Audubon



## ORONO BOG

Despite having visited various bogs in every state of New England, it's the Orono bog in Maine that draws Dan Jaffe back every year. This walk will start in a typical dry, acid forest that slowly drops down to cinnamon fern and bunchberry before eventually turning into a true bog covered in pitcher plants, bog orchids, sundews, and some of the funkier black spruce around.

**Habitat:** acid bog

**Known for:** specialized plants of acidic bogs including pitcher plants, sundews, and grass pink orchids

**Difficulty:** easy

**Sunday, June 3, 2018, 10 a.m.-12 p.m.**

Bangor, ME

**Program Code:** HDT8049

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$21 (Member)/\$25 (Nonmember)

**Limit:** 25

**Certificate:** Field: HD/ Adv.HD

## GREAT MEADOWS, EARLY SEASON

Great Meadows is exactly what it sounds like: a great, wet meadow that spans a large tract of land in eastern Massachusetts. Join Dan Jaffe for walk around the impoundments. Explore open wetland species such as rose milkweed, cranberry bush, and water lilies while surrounded by beavers, blue heron, and marsh wren. We will identify species and discuss their cultivation.

**Habitat:** wet meadow

**Know for:** myriad wetland wildflowers, birds and associated wildlife

**Difficulty:** easy

**Sunday, June 10, 2018, 9-11 a.m.**

Concord, MA

**Program Code:** HDT8046

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$21 (Member)/\$25 (Nonmember)

**Limit:** 15

**Certificate:** Field: HD/ Adv.HD





## NOTCHVIEW

This beautiful moist, acid forest will make you think you've left Massachusetts and stepped into the boreal forests of Canada. Spruce/fir dominates, undergrown by immense stands of goldthread, false hellebore, and entire woodland lawns of Canada mayflower. Come for a guided walk led by Dan Jaffe as he discusses the different species found in this unique site and explains how many of them can be used in difficult cultivated landscapes.

**Habitat:** moist, acid forest

**Known for:** sweeps of goldthread, wintergreen and false hellebore

**Difficulty:** moderate

**Sunday, July 1, 2018, 10 a.m.-12 p.m.**

Windsor, MA

**Program Code:** HDT8048

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$21 (Member)/\$25 (Nonmember)

**Limit:** 25

**Certificate:** Field: HD/ Adv.HD

## GREAT MEADOWS, LATE SEASON

Great Meadows is exactly what it sounds like: a great, wet meadow that spans a large tract of land in eastern Massachusetts. Join Dan Jaffe for walk around the impoundments. Explore open wetland species such as cardinal flower, rose mallow, and showy tick trefoil while surrounded by beavers, blue heron, and marsh wren. We will identify species and discuss their cultivation.

**Habitat:** wet meadow

**Know for:** myriad wetland wildflowers, birds and associated wildlife

**Difficulty:** easy

**Sunday, September, 30, 2018, 9-11 a.m.**

Concord, MA

**Program Code:** HDT8047

**Instructor:** Dan Jaffe, propagator and stock bed grower, New England Wild Flower Society

**Fee:** \$21 (Member)/\$25 (Nonmember)

**Limit:** 15

**Certificate:** Field: HD/ Adv.HD

Maianthemum canadense (Canada-mayflower)



Swamp Rose-mallow (Hibiscus moscheutos)



All programs are for children with adult companions.

## EARTH DAY SEED CELEBRATION

Young children ages one to five will love learning about seeds, singing a fun seed song, and making seed balls to take home. We will explore all sorts of seeds and learn some of the ways seeds develop.

**Sunday, April 29, 2018, 3-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FAM7535

**Instructor:** Danielle Newland, manager, Little Sprout Gardens, LLC

**Fee:** Free of charge with Garden admission

## STORY TIME AND MUSICAL PLAY AT GARDEN IN THE WOODS

Children will listen to a nature-themed story, sing songs related to topic of the day, and make nature-inspired crafts. Stories are geared for children ages three to eight. Afterward, children will be invited to explore the local flora and fauna in the Garden, play in the Family Activity Area, or pick up a Scavenger Hunt card and take a walk through the woods.

**Saturdays, May 5, 19; June 9, 23; July 14, 28; August 11, 25; September 8, 22, 2018, 10:30-11:30 a.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FAM7530

**Instructor:** Elaine Kessler, professional storyteller and children's educator

**Fee:** Free of charge with Garden admission







## BEAUTIFUL BUGS

With stories, songs, and puppets, we will introduce children ages one to five to some of the cleverest critters in the garden. Little gardeners and scientists can observe live ladybugs and other garden insects in net houses and magnifying jars.

**Saturday, June 30, 2018, 3-4 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FAM7536

**Instructor:** Danielle Newland, manager, Little Sprout Gardens, LLC

**Fee:** Free of charge with Garden admission

## GARDEN POLLINATORS

With stories, songs, and puppets we introduce children ages one to five to pollinators in the garden. We will enjoy pollination-themed activities and games. Little gardeners and scientists can observe pollinators in net houses and magnifying jars.

**Tuesday, July 17, 2018, 10-11 a.m.**

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## FAIRY GARDEN FUN

Create a fairy garden with your favorite little gardener. While you plant your miniature fairy world, learn about the parts of a plant and what plants need to live. Take a walk and discover the whimsical and natural fairy garden at Garden in the Woods. You provide the creativity, we'll provide all the materials needed for the project, and together we'll make a fairy habitat for you to take home. Recommended for children ages six and up.

**Sunday, July 22, 2018 1-2 p.m.**

Garden in the Woods, Framingham, MA

**Program Code:** FAM7538

**Instructor:** Staci Jasin, landscape designer & educator

**Fee:** Free of charge with Garden admission



# become a member

## 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:

- 20% discount on educational programs throughout New England
- Annual subscription to Society publications
- Monthly member e-newsletter
- Discounts at a wide range of regional and mail-order nurseries through our Nursery Partner Program and our Garden Shops
- Access to members-only on-demand webinars
- Invitations to special, members-only events (*Individual with Garden Access level and up*).

### Membership levels

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

For a full description of member benefits, please visit [www.newenglandwild.org/membership](http://www.newenglandwild.org/membership) or call 508-877-7630 x3104.

## registration policies

Advance registration is required for all fee-based programs and is accepted on a first-come, first-served basis upon full payment. Before your class, you will receive program locations and any recommended reading and supplies. Early registration is encouraged; programs with insufficient registration may be cancelled three to five business days before the scheduled start date. If your requested program is filled, you will be put on a waiting list and your credit card will not be charged or your check will be returned. If space in the program becomes available, you will be contacted according to your position on the waiting list.

### EQUAL ACCESS

If you need assistance or special accommodations, call 508-877-7630, ext. 3303, at the time you register or as soon as possible thereafter.

### SOCIETY CANCELLATIONS, CHANGES, AND INCLEMENT WEATHER

The Society reserves the right to cancel programs, change times or locations, and substitute instructors. If a program is cancelled by the Society, you will receive a full refund. In the event of any program change, you will be notified as soon as possible. Programs run rain or shine. However, in the event of extremely inclement weather, the Public Programs Department or instructor will make every effort to inform you by telephone or email of any change in plans.

No refunds or transfers can be given for withdrawals within a week of the program start date, for programs already in progress, or for class sessions you have not attended.



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