



# Joseph Regenstein, Jr. School

## Adult Education

An extensive schedule provides a wealth of choices; instruction by Garden staff and experts in their field ensures every class, workshop, or symposium is an exceptional learning experience.

### Inspiration in Yoga

When she's not working in horticulture or creating fairy gardens, orchid arrangements, or other imaginative floral designs, Becky Porter finds inspiration in yoga. "In addition to improving my flexibility and strength, yoga helps me be more creative. I am able to tap into the source of wisdom and joy!" She signed up for a class at the Garden with her mother 15 years ago, and continues practicing today.

Winter can be a difficult time of year for many people—daylight dwindles and it's easy to become frazzled in the hustle of the holidays. Porter finds it's a wonderful opportunity to enjoy a yoga class and experience the tranquility of the season. "The Garden is so lovely in the



winter," she said. "Surrounded by nature's beauty, it is easier to find that inner peace and stillness."

All Garden yoga classes are taught with kindness and compassion. Individuals are welcome regardless of ability, experience, or physical condition, and classes and poses are always modified to accommodate the needs of each student.

*Winter classes are held indoors in the Linnaeus Room, and begin the week of January 12.*



# Highlights

## Beginning Beekeeping Workshop

Saturday, February 7  
See page 44.



## New! Mosaic Address Plaque

Tuesday, December 2  
or Thursday December 4  
See page 53.

## Great Gardens Series

Tour great gardens through the lens of garden photographer Linda Oyama Bryan  
See page 51.

## New! Natural Home and Beauty Products Workshop

Thursday, December 11  
See page 59.



## New! Formulating Perfumes with Natural Essences

Saturday, March 14  
See page 54.

## New! Welcome to Your Midwest Garden

Saturday, January 24  
See page 43.

## New! Pop-Up Paper Bugs Workshops

Sunday, March 29, and Sunday, April 12  
See page 55.

## New! Native Bees — What's the Buzz?

Wednesday, January 21  
See page 49.



## Willow Furniture Workshop

Sunday, March 29  
See page 54.



## Professional Development Programs

**Professional development opportunities and inspiration are yours here at the Garden. Landscape design, horticulture, and conservation professionals and others are welcome to attend these outstanding programs.**

### Podando para Profesionales

#### *Pruning for Spanish-Speaking Professionals*

Este repaso de prácticas de podar para jardineros profesionales incluirá técnicas, tiempo, y cómo escoger las mejores herramientas. Debido a que parte de la clase estará afuera se requiere que traigan tijeras y serrucho para practicar. Una discusión de cómo tartar con sus clientes y qué información debe compartir con ellos antes de empezar un trabajo también será incluido. This review of pruning practices will be taught in Spanish. An English description is listed below.

Manny Sanchez, grounds foreman,  
Chicago Botanic Garden  
\$49 nonmember; members receive 20% discount  
Wednesday, November 19, 9 a.m. – noon  
Annex 2

### Pruning for Professionals

This course is designed as a comprehensive review of basic pruning practices for landscape professionals. The afternoon session consists of demonstrations in the field that illustrate the techniques discussed during the morning session. There will also be a review of pruning tools and equipment care. Please dress for the weather, as the afternoon will be spent outdoors. Lunch is on your own.

Tom Tiddens, plant health care supervisor and certified arborist; Thomas Fritz, plant health care specialist; and Mike Annes, plant health care specialist,  
Chicago Botanic Garden  
\$87 nonmember; members receive 20% discount  
Thursday, November 20, 9:30 a.m. – 3 p.m.  
Annex 2

### SketchUp Fundamentals

Professionals in the landscape architecture, construction, and related industries choose SketchUp because it's the most intuitive, most cost-effective tool of its kind. This course will help participants with SketchUp commands and with developing their own 3D models. Personal laptop required; software is available to download from the web at no cost. Try our intensive workshop to get the basics and fundamentals.  
ALSA CEUs available.

Gary Lehman, RLA, G Studio  
\$99 nonmember; members receive 20% discount  
Friday, January 23, 9 a.m. – 3 p.m.  
Lakeside Room, Visitor Center

### New! Drawing & Visualization Skills for Designers

*ART, GDC elective*

In this hands-on workshop, you will receive instruction and coaching as you work with an architectural illustrator with more than 20 years of experience. Topics include perspective, entourage, landscape illustration, master copies, analytical drawing, light and shadow, quick sketch techniques, and rendering skills. This class is ideal for certificate program students, landscape architects and designers, architects, planners, botanical illustrators, and landscape drawing and painting enthusiasts.  
ALSA CEUs available.

Bruce Bondy, principal, Bondy Studio  
\$179 nonmember; members receive 20% discount  
2 Sundays, February 8 & 15, 9 a.m. – 1 p.m.  
Design Studio



## BONSAI WORKSHOPS

### Bonsai: Beginner – Basics and Fundamentals

During this six-week course, discover principles and techniques to appreciate and participate in the art of bonsai. Each session includes a detailed lecture and assistance with design, styling, and wiring.

Chris Baker, curator of bonsai, Chicago Botanic Garden  
\$229 nonmember; members receive 20% discount  
6 Tuesdays, January 13 – February 17, 6 – 9 p.m.  
Production Headhouse

## BONSAI SPECIALTY SERIES

**In this series we will be covering topics and skills that will lead you from the beauty of displaying trees in winter right up to repotting and refining trees for display in the spring. These hands-on workshops will be interactive, fun, and of course, educational.**

**Register for all four sessions at once and save 10%.**

All classes taught by Chris Baker,  
curator of bonsai, Chicago Botanic Garden  
Horticulture Conference Room,  
Rice Plant Resource Center

### New! Bonsai Display 101

This class will discuss the basics of proper two- and three-point bonsai displays including the right container, accent plant, stand, scroll, stone, and others. Students and instructor will create and critique several displays, both formal and informal.

\$49 nonmember; members receive 20% discount  
Friday, January 30, 9 a.m. – noon

### New! Choosing the Right Container for Your Tree

Join us for an in-depth look at different bonsai pot styles, shapes, glazes, and colors, and learn how to select the right pot for your tree. You will see some of the beautiful pots that the Garden has in its collection. Students are encouraged to bring trees they would like to repot and see how different containers look with their trees.

\$49 nonmember; members receive 20% discount  
Friday, February 27, 9 a.m. – noon

### New! Soil Science and Fertilizing

Your trees' health starts below the pot line. This class takes an in-depth look at a multitude of soil components, organic vs. chemical fertilizers, mycorrhiza, and root health. Maximizing growth and maintaining tree health is key to creating quality bonsai. March is a great time to repot, so bring a tree in for repotting; soil will be made and provided for the class.

\$49 nonmember; members receive 20% discount  
Friday, March 27, 9 a.m. – noon

### New! Refinement Workshop

There are many different techniques used in bonsai. Each stage of a tree's development allows for more refinement. This class will cover the subtle refinement techniques used in show preparation and refined trees. Bring your tree in for refinement work just in time for the Midwest Bonsai Club's spring show in May.

\$49 nonmember; members receive 20% discount  
Friday, April 24, 9 a.m. – noon

## WEEKEND GARDENER SERIES

Are you a new homeowner baffled by your landscape? Are you a beginning gardener who wants to learn basic horticultural skills? This series answers gardening questions and introduces techniques for gardening success. Each course investigates a different topic related to your own lawn and garden.

### Basic Pruning for Homeowners

The best time to prune most trees and shrubs is quickly approaching. Learn the basic techniques for dormant winter pruning to maintain plant health and desired form. A portion of the class will consist of outdoor demonstrations, so please dress for the weather.

Tom Tiddens, plant health care supervisor and certified arborist, Chicago Botanic Garden  
\$45 nonmember; members receive 20% discount  
Saturday, December 6, 1 – 3:30 p.m.  
Annex 2

### New! Welcome to Your Midwest Garden

If you are new to gardening or new to the Midwest, join us for a discussion on how our climate and the change of seasons can affect your garden. We'll examine how each season presents gardeners with ongoing challenges (temperature and moisture extremes, soil problems, and wind). Then we'll consider some ways to meet those challenges and have a successful garden.

Sharon Yiesla, horticulturist, owner, Sharon Yiesla Horticultural Services  
\$37 nonmember; members receive 20% discount  
Saturday, January 24, 10 a.m. – noon  
Linnaeus Room

### Soils: Where Are Your Roots?

One of the secrets to gardening success is an understanding of soils. Join Glenn Grosch for a detailed discussion of soils, including structure, fertilizers, understanding and managing pH, soil amendments, and water management. This course will also highlight proper horticultural techniques for a healthy soil ecosystem.

Glenn Grosch, horticulturist and agronomist  
\$45 nonmember; members receive 20% discount  
Saturday, February 7, 9:30 a.m. – noon  
Lakeside Room, Visitor Center

### Starting From Seed

Starting plants from seed is both interesting and relatively easy! This course covers all elements of starting both annuals (flowers and vegetables) and perennials from seed. The discussion includes plant selection, containers, planting mixes, watering, heating, lighting, and disease control. This is a must for beginners and a good review for the experienced gardener.

Glenn Grosch, horticulturist and agronomist  
\$45 nonmember; members receive 20% discount  
Saturday, February 14, 9:30 a.m. – noon  
Lakeside Room, Visitor Center

### Fruit Trees for the Beginner

Tree fruits present a great opportunity to both enhance your landscape and add to your eating pleasure! The discussion will cover selecting varieties, site selection and preparation, and proper planting. Pruning techniques, ongoing maintenance, and pest management will also be discussed. Dress for the weather, as part of the class will be outside.

Glenn Grosch, horticulturist and agronomist  
\$45 nonmember; members receive 20% discount  
Saturday, February 21, 9:30 a.m. – noon  
Lakeside Room, Visitor Center

### Brambles and Berries for the Beginner

Would you love to be able to harvest fresh berries from your own backyard? If so, this class will convince you how easy it is to successfully grow berry fruits. You will learn how to choose the best varieties, select and prepare a site, and use proper planting and pruning techniques, as well as understand other maintenance requirements. Dress for the weather, as part of the class will be outside.

Glenn Grosch, horticulturist and agronomist  
\$45 nonmember; members receive 20% discount  
Saturday, February 28, 9:30 a.m. – noon  
Lakeside Room, Visitor Center

### Success with Trees and Shrubs

Learn all you need to know about growing trees and shrubs and how to be consistently successful in growing all types of woody plants (both deciduous and evergreen). Specific discussion includes matching plants to the site, planting practices, first-year maintenance, and long-term care. This session is of value to all skill levels.

Glenn Grosch, horticulturist and agronomist  
\$45 nonmember; members receive 20% discount  
Saturday, March 7, 9:30 a.m. – noon  
Lakeside Room, Visitor Center

### Orchids for Beginners

In this beginner's course, you will learn how to select easy-to-grow orchids suitable for your home. Basic orchid physiology and general cultural information such as light, temperature, humidity, repotting, and media requirements will be discussed. Popular orchid species and cultivars will be reviewed, and local sources for orchids and supplies will be provided. A tour of the Orchid Show is included.

Anne Nies, horticulture educator  
\$37 nonmember; members receive 20% discount  
Saturday, March 7, 1 – 3 p.m.  
Plant Science Lab, Regenstein Center



Learn about potting mixes for different growing conditions.

### New! The Orchid and the Pot

Join us for a discussion of orchid cultural requirements, focusing on the orchid root system and the importance of proper potting. Discover what makes a good potting mix, how to pot for different growing conditions and how to troubleshoot poor growth, a lack of flowers, and dying leaves. It's all in the roots! A tour of the Orchid Show is included.

Anne Nies, horticulture educator  
\$37 nonmember; members receive 20% discount  
Saturday, March 14, 1 – 3 p.m.  
Plant Science Lab, Regenstein Center

### Pruning Principles

Learning the correct technique for pruning is key to maintaining healthy plants. Tim Johnson will introduce you to the principles of pruning, including proper tool use, techniques for pruning trees and shrubs, and the best time to prune both evergreen and deciduous plants. He will also display a variety of good tools for pruning.

Tim Johnson, director of horticulture, Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Sunday, March 22, 1 – 3 p.m.  
Annex 2

### Spring Lawn Care for Homeowners

Here's your chance to learn the basics of lawn care. Using the Garden's holistic turf management program as a model, Tom Fritz explains how to cultivate a thriving lawn while lessening pesticide use. He'll cover turf culture, mowing, aerating, watering, fertilizing and weeding, and insect and disease control. Please dress for the weather.

Tom Fritz, plant health care specialist, Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Saturday, March 28, 9 – 11 a.m.  
Seminar Room, Plant Science Center

## Horticulture

**Horticulture courses help students acquire the information and techniques needed to grow ornamental plants and maintain a healthy garden or lawn.**

### Bulbs for Winter Indoor Color

To add a breath of spring to your home this winter, join William Moss as he demonstrates the proper techniques for forcing bulbs such as tulips, daffodils, hyacinths, and minor bulbs. Learn how to choose varieties that are good performers as well as how to combine them in one pot for a mini-garden effect. You will then pot up some bulbs to take home. The fee includes all materials.

William Moss, horticultural educator  
\$62 nonmember; members receive 20% discount  
Monday, November 24, 6:30 – 8:30 p.m.  
Annex 2

### Winter Containers at the Garden

Explore the winter containers at the Garden and learn ways to extend your own containers into the winter season. Then prepare a container with fresh-cut evergreen boughs and berried or brightly colored branches. Please bring gloves and pruners.

Nancy Clifton, program specialist,  
Chicago Botanic Garden  
\$87 nonmember; members receive 20% discount  
Wednesday, December 3,  
10 a.m. – noon or 6:30 – 8:30 p.m.  
Annex 1

### Glass Jar Terrarium Workshop

Terrariums are back! Learn how to create a glass jar terrarium from start to finish. A glass jar, an assortment of small indoor plants for a variety of light conditions, and all other materials will be provided for you to create your own miniature oasis to enjoy this winter and all year long! Please bring gloves, an apron if desired, and pruning shears.

Tim Pollak, outdoor floriculturist,  
Chicago Botanic Garden  
\$75 nonmember; members receive 20% discount  
Wednesday, January 28, 6:30 – 8:30 p.m.  
Annex 2

### Beginning Beekeeping Workshop

Join us for this full-day program and learn about the history of beekeeping in North America, the anatomy and physiology of the bees including the caste system, and duties of the honeybees. We will also discuss the impending disaster of the honeybee—Colony Collapse Disorder—and what we can do about it. Lunch is on your own.

Charles and Karen Lorence, owners,  
Lorence's Honey Bee Haven  
\$75 nonmember; members receive 20% discount  
Saturday, February 7, 9 a.m. – 4 p.m.  
Seminar Room, Plant Science Center

### Grow Orchids on Your Windowsill

Learn how easy it is to grow orchids right on your windowsill. A few of the topics to be discussed include the easiest orchids to grow that are best suited to your conditions; avoiding some of the mistakes encountered by new growers; keeping plants healthy; and basic orchid-growing techniques. In addition, participants are encouraged to bring a few plants to class for questions and discussion. This is a class for beginners and those interested in improving their orchid-growing skills. A tour of the Orchid Show is included.

Jerry L. Garner, Ph.D., horticulturist, consultant,  
and retired professor of horticulture  
\$45 nonmember; members receive 20% discount  
Saturday, February 14, 1 – 3:30 p.m.  
Linnaeus Room

### Exciting Annuals: Getting Ready for Spring

With the recent arrival of seed catalogs in your mailbox, it's time to get excited about spring! Tim Pollak will show you the hot new plants and what to look for at the garden centers this spring. He will highlight the major garden trends of 2015. In addition, we will talk about using annuals in containers, window boxes, and hanging baskets; and what plants do best in shade or full sun. We will also talk about using vegetables with annuals and how they can add color and ornamental value to your garden.

Tim Pollak, outdoor floriculturist,  
Chicago Botanic Garden  
\$37 nonmember; members receive 20% discount  
Monday, February 23, 6:30 – 8:30 p.m.  
Annex 2

### The Story of Vanilla

As the most popular flavor in the world, truly fine vanilla is at once rich, sweet, and sophisticated, possessing a euphoric flavor and fragrance that sends pure joy to the pleasure centers of the brain. Vanilla is warm and complex, and has a bit of spice or flowery notes. It is the fruit of two orchid species known as *Vanilla planifolia* 'Andrews' or *Vanilla tahitensis* 'Moore'. To the Nielsen family, third-generation owners of Nielsen – Massey Vanillas based in Waukegan, Illinois, crafting fine vanillas and flavors since 1907 is their ultimate passion. The Nielsen family will talk about the origin of vanilla; growing, harvesting, and curing vanilla beans; varieties around the world; flavor profiles; extraction; and applications. Their presentation will include photos, sample beans, and a smell test of various origins, and will conclude with a tasting.

Beth Nielsen, chief culinary officer,  
Nielsen – Massey Vanillas  
\$19 nonmember; members receive 20% discount  
Thursday, March 5, 1 – 2 p.m.  
Linnaeus Room



Try a horticulture class and watch your garden grow.

### Growing Salads Indoors

Learn to grow organic salad greens at home, whether you have garden space or not! Professional gardener Bill Shores, who has grown specialty greens for more than a decade and currently manages chef Rick Bayless's market garden, will treat participants to a visual feast of microgreens. Then he will demonstrate how to plant the seeds in growing trays, and discuss maintenance and harvesting techniques.

Bill Shores, professional grower and garden consultant  
\$37 nonmember; members receive 20% discount  
Saturday, March 7, 9:30 – 11:30 a.m.  
Linnaeus Room

### Small Space Food Gardens

Bill Shores will offer an overview of techniques to produce food organically in small urban/suburban spaces. Through photos and garden planting graphics, you will gain an understanding of the process of designing a successful food garden. Topics include efficient use of in-ground space, intensive and succession planting techniques, raised bed gardens, season extension, indoor gardens, and building and maintaining healthy soils.

Bill Shores, professional grower and garden consultant  
\$37 nonmember; members receive 20% discount  
Saturday, March 7, 1 – 3 p.m.  
Linnaeus Room

### Chronicle of a Vegetable Garden

Experience a full season of a Chicago vegetable garden with the focus on what to do, why, and when. During the session, you will follow a successful home vegetable gardener from plant selection all the way through harvest (and everything in between). Join us for a great opportunity to sharpen existing gardening skills and, perhaps, learn some new ones.

Glenn Grosch, horticulturist  
\$37 nonmember; members receive 20% discount  
Saturday, March 21, 9:30 – 11:30 a.m.  
Annex 2

## POULTRY PALOOZA!

Join urban chicken consultant Jennifer Murtoff and learn how to successfully raise and enjoy chickens in your backyard!

All sessions taught by Jennifer Murtoff, Home to Roost Urban Chicken Consulting

Register for two sessions at once and receive a 10 percent discount.

### Raising Backyard Chickens

This class is designed for curious people who are considering raising backyard chickens, as well as for those who already have their own birds and who want to learn more! Come learn about local laws, how to raise chicks, care for adult birds, and keep your neighbors happy!

\$37 nonmember; members receive 20% discount  
 Saturday, March 28, 10 a.m. – noon  
 Annex 2

### Chicken Coop Basics

If you're getting chicks this spring, you will need to know how to build a safe and comfortable home for them! In this class, you'll learn about the basic needs of backyard birds (they're not fussy, really, but there are some things you need to know!). Discover the essential components of a coop, learn what to avoid when choosing construction materials, get important construction tips, and see examples of different coop styles.

\$37 nonmember; members receive 20% discount  
 Saturday, March 28, 1 – 3 p.m.  
 Annex 2

### New! Keeping Your Chickens Healthy

You've made the decision to raise chickens and you understand what they need in a home, now learn what is most important in keeping them healthy. Join us for a detailed discussion of common health issues and how you can treat them. This class addresses chicken physiology, disease transmission and prevention, as well as chicken first aid. Bring your questions!

\$49 nonmember; members receive 20% discount  
 Saturday, April 25, 1 – 4 p.m.  
 Annex 2



## Growing a Cook's Garden

If you have a spot in your garden, balcony, or deck that receives more than six hours of direct sunlight, you can grow fresh herbs and vegetables. We'll cover how to grow the best essential ingredients for your kitchen: tomatoes, onions, peppers, squash, garlic, and leafy greens. In this class, you'll learn the basics of soil preparation, planting in pots, plant selection, protecting your harvest from pests, extending the crops from spring through fall, and ideas for food preparation.

Nina Koziol, garden writer  
 \$37 nonmember; members receive 20% discount  
 Saturday, April 11, 1 – 3 p.m.  
 Linnaeus Room



## FOUR SEASONS OF BEAUTY 2015: THE CHICAGO BOTANIC GARDEN CONTAINER SERIES

This series of workshops and Garden walks features the diversity and creativity of four seasons of Chicago Botanic Garden container gardens. Each season you will explore the Garden grounds with Heather Sherwood and discover an array of striking plants, interesting color and texture combinations, and unique container arrangements. She will then help you create a seasonal container for your sun or partial shade patio or porch.

All workshops are taught by Heather Sherwood, senior horticulturist, at the Chicago Botanic Garden. Register for all four sessions at once and save 10 percent.

### Spring Containers at the Garden

Tour the Garden's spring containers and collect ideas for your own. Then create a container with plants that can tolerate the varying spring temperatures and a full-sun to partial-shade location. Pansies, forced bulbs, and other spring treasures may be used. A spray of branches gives them a finishing touch. Please bring gloves.

\$87 nonmember; members receive 20% discount  
 Tuesday, April 21, 10 a.m. – noon or 6:30 – 8:30 p.m.  
 Annex 2

### Summer Containers at the Garden

Enjoy a tour featuring the summer containers at the Garden. Then prepare a warm-season mixed container suitable for a sun or partial shade location. Your container may include annuals, perennials, herbs, and decorative foliage. Please bring gloves.

\$87 nonmember; members receive 20% discount  
 Tuesday, June 16, 10 a.m. – noon or 6:30 – 8:30 p.m.  
 Annex 2

### Autumn Containers at the Garden

Take a Garden walk to view the Garden's fall containers. Then create a cool-season mixed container with a variety of plants suitable for a full-sun or partial-shade location. Your container may include annuals, perennials, herbs, decorative foliage, cool-season vegetables, ornamental grasses, a decorative vine, and gourds. Please bring gloves.

\$87 nonmember; members receive 20% discount  
 Tuesday, September 8, 10 a.m. – noon or 6:30 – 8:30 p.m.  
 Annex 2

### Winter Containers at the Garden

Explore the winter containers at the Garden and learn ways to extend your own containers into the winter season. Then prepare a container with fresh-cut evergreen boughs and berried or brightly colored branches. Please bring gloves and pruners.

\$87 nonmember; members receive 20% discount  
 Tuesday, December 1, 10 a.m. – noon or 6:30 – 8:30 p.m.  
 Annex 2

## HORTICULTURE CERTIFICATE OF MERIT PROGRAMS

### Pruning for Professionals

*OPC elective*

Thursday, November 20, 9:30 a.m. – 3 p.m.  
See details on page 42.

### Nativars in the Landscape

*OPC elective*

Native plants have become staples of hardy, low-maintenance, and drought-tolerant flora. We all want a little zing—through foliage color, stem color, or overall size, and true native plants do not always provide that, but nativars do! We will define what a nativar is and how to utilize them in your garden to create a more resource-low garden. Then we will look at examples and discuss how to use both effectively to reduce our impact on the earth's natural resources. The School's CEUs=0.3

John Eskandari, horticulture educator,  
Urbanplantsman LLC

\$74 nonmembers; members receive 20% discount  
Saturday, December 6, 1 – 4 p.m.  
Seminar Room, Plant Science Center

### Plant Health 1, Winter Session

*MGC, PGL 1, PGL 2, and GDC requirement*

Learn to identify, diagnose, treat, and prevent some of the most common diseases, insects, animal pests, and environmental problems encountered by our region's landscape industry. Topics include Integrated Pest Management (IPM), cultural care, basic entomology and pathology, pesticides and alternatives, and animal management.

Tom Tiddens, plant health care supervisor and certified arborist, Chicago Botanic Garden; and Kathie Hayden, manager, plant information service, Chicago Botanic Garden

\$337 nonmember; members receive 20% discount  
6 Tuesdays and 6 Thursdays; January 13 – February 19, 6:30 – 8:30 p.m.  
(snow date February 24)  
Plant Science Lab, Regenstein Center

### Business of Gardening

*OPC and GDC elective*

As with plants, some businesses take root and remain part of the landscape for many years, while others wither all too quickly. This course will be an overview of the big-picture concepts and the practical considerations of start-ups in horticulture. Topics covered are financials, marketing, contracts, human resources, and financing. Everything begins with a dream and a plan! Enrollment is limited for this course. The School's CEUs= 1.2

Anne Roberts, president, Anne Roberts Gardens, Inc.  
\$287 nonmember; members receive 20% discount  
6 Saturdays, January 17 – February 21, 1 – 3 p.m.  
Green Roof Conference Room, Plant Science Center

### Plant Propagation

*MGC requirement, OPC elective*

Become familiar with common propagation techniques through lecture and lab exercises. Learn to propagate plants by seeds, cuttings, layering, division, and other methods. Discover equipment and structures to propagate plants successfully. The School's CEUs=1.8

Cathy Thomas, propagator, Chicago Botanic Garden  
\$337 nonmember; members receive 20% discount  
6 Wednesdays, February 11 – March 18, 6:30 – 9 p.m.

Annex 2

and

6 Saturdays, February 14 – March 21,  
11 a.m. – 2 p.m.

Production Headhouse

Visit [chicagobotanic.org/school/faculty](http://chicagobotanic.org/school/faculty) for faculty biographies.

Chicago Botanic Garden members receive a 20 percent discount on classes.



## Horticulture

Learn to grow and maintain a healthy garden.

## SUSTAINABLE GARDENER SERIES

*OPC elective*

Ever feel overwhelmed by all the information on sustainability? Get familiar with the mindset, background, science, and terminology as it relates to horticulture and beyond. This series includes discussion and information on sustainable features and concepts from rain gardens, composting, and materials reuse, to ways to minimize installation or maintenance impact (right plant/right place) and incorporating sustainable elements into your garden and landscape.

John Eskandari, horticulture educator, Urbanplantsman LLC

Save and register for all six sessions at once!

\$312 nonmember; members receive 20% discount

6 Saturdays, January 17 – February 21,

11 a.m. – 2 p.m.

### Introduction to Sustainability

*OPC elective*

Learn how environmental, economic, and social sustainability affect the green industry. Discussions on the concepts of sustainability and the role horticulture can play in enhancing the sustainable movement. The School's CEUs=0.3

\$74 nonmember; members receive 20% discount

Saturday, January 17, 11 a.m. – 2 p.m.

Linnaeus Room, Regenstein Center

### Water

*OPC elective*

Explore water's role in sustainable horticulture. Topics include drought-tolerant plants, drip irrigation/xeriscaping, rain gardens, rain barrels, reduced lawn areas, and native plants. The School's CEUs=0.3

\$74 nonmember; members receive 20% discount

Saturday, January 24, 11 a.m. – 2 p.m.

Seminar Room, Plant Conservation Science Center

### Soil

*OPC elective*

Soil is a building block of sustainable gardening. Topics include composting, recycling garden waste, earthworms, beneficial microbes, bioremediation, organic/local compost and soil amendments, and container gardening. The School's CEUs=0.3

\$74 nonmember; members receive 20% discount

Saturday, January 31, 11 a.m. – 2 p.m.

Linnaeus Room, Regenstein Center

### Materials and Energy Usage in a Sustainable Landscape

*OPC elective*

Learn how to incorporate manual equipment for good health and less environmental impact. Ideas include using fewer 2-cycle engines (mowers, blowers, power shears) to enhance air quality. Discussions will focus on certified sustainably harvested wood, composite materials, recycled materials, solar and wind technology in the garden, supplemental energy sources, and more. The School's CEUs=0.3

\$74 nonmember; members receive 20% discount

Saturday, February 7, 11 a.m. – 2 p.m.

Annex 2

### Positive Economic Impacts for Our Landscape

*OPC elective*

Learn how sustainable practices can help your wallet with a reduced water bill and less equipment to own. Green roofs extend the life of roofing materials and reduce heating/cooling costs with plants, and the reuse of plants and materials on-site reduces unnecessary expenses. The School's CEUs=0.3

\$74 nonmember; members receive 20% discount

Saturday, February 14, 11 a.m. – 2 p.m.

Annex 2

### Social Impacts of Sustainability

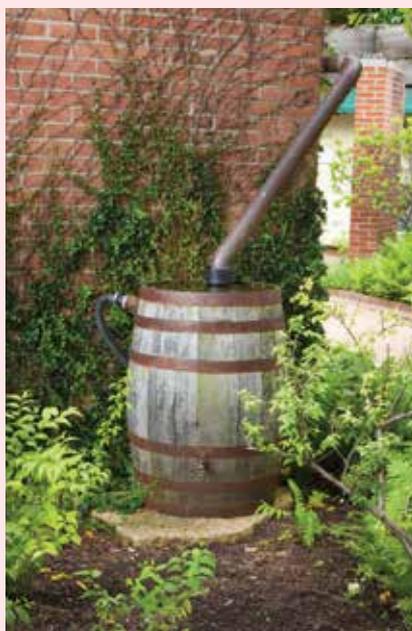
*OPC elective*

Simple ideas can have big impact. Topics will include the reduced crime in tree-lined areas; cleaner air and reduced storm water runoff; planted areas filtering waste that enters the soil, reducing groundwater pollution; and community movements for green spaces and habitat development. The School's CEUs=0.3

\$74 nonmember; members receive 20% discount

Saturday, February 21, 11 a.m. – 2 p.m.

Linnaeus Room, Regenstein Center



## Gardening Techniques: Session B

*PGL 1, PGL 2, and GDC requirement*

Students will be introduced to professional gardening through a combination of lecture and hands-on activities. They will focus on acquiring solid gardening skills, learning about a variety of techniques, and developing the ability to determine best practices. Topics range from general grounds maintenance, winterization, plantings, and other horticultural practices. This is a preprofessional class designed for students entering the green industry.

Lynette Rodriguez, owner and horticulturist, A Finer Touch

\$312 nonmember; members receive 20% discount

6 Saturdays, January 31 – March 7, 7:30 – 10:30 a.m.

Annex 2

### Botany 1, Spring Session

*OPC, MGC, PGL 1, PGL 2, and GDC requirement*

Why, botanically speaking, is a tomato a fruit? What is the difference between a fern and a moss? Come join us in Botany 1 to learn the answers to these questions and more! In this course we will explore subjects such as the importance of plants to our lives; plant taxonomy and classification; and the life cycles, distinguishing features, diversity, and identification of major groups of plants.

Ellen Phillips, horticulture educator

\$337 nonmember; members receive 20% discount

6 Mondays and 6 Wednesdays, March 2 – April 15, 6:30 – 8:30 p.m.

(no class March 30 and April 1)

Plant Science Lab, Regenstein Center

### Deciduous Flowering Shrubs

*OPC, PGL 1, PGL 2, and GDC requirement*

Study more than 60 different deciduous flowering shrubs (and their cultivars and related species) suitable for commercial landscape and home garden use in the Chicago area. During weekly slide lectures and garden walks, the identification, cultural information, aesthetic qualities, and landscape uses of both common and more unusual shrubs will be emphasized. Upon completing this course, you will be able to select the most appropriate shrubs for your garden space and gardening style. The School's CEUs=2.5

Mark Zampardo, Ph.D., horticulture educator

\$287 nonmember; members receive 20% discount

7 Tuesdays, March 10 – April 28, 6:30 – 8:30 p.m.

(no class April 14)

Alsdorf Auditorium

Garden Walks (select one)

6 Thursdays, March 12 – April 23, 9 – 11 a.m.

(no class April 16)

or

6 Saturdays, March 14 – April 25, 9 – 11 a.m.

(no class April 18)

Optional Study CD \$20

## Gardening Techniques: Session C

*PGL 1, PGL 2, and GDC requirement*

Students will be introduced to professional gardening through a combination of lecture and hands-on activities. Focus is on acquiring solid gardening skills, learning about a variety of techniques, and developing the ability to determine best practices. Topics range from plant selection to the identification and control of weeds and other horticultural practices. Prerequisite: Botany 1.

John Eskandari, horticulture educator,  
Urbanplantsman, LLC

\$312 nonmember; members receive 20% discount  
6 Saturdays, March 28 – May 2, 7:30 – 10:30 a.m.  
(April 18 off-site)  
Annex 2

## Clematis Up Close

*OPC elective*

A profusion of showy blossoms makes clematis the undisputed queen of the climbers and an essential vine for every garden. Most gardeners are aware of a handful of the large-flowered clematis, but recent breeding work has greatly increased the number of useful, appealing cultivars. In addition, there are many distinctive, less-commonly known small-flowered species and hybrids that extend the flowering season into autumn. Richard Hawke will discuss the identification, culture, and maintenance requirements of many large- and small-flowered clematis, sharing his more than 16 years of experience growing and evaluating this genus. The School's CEUs=0.3

Richard Hawke, manager, plant evaluation,  
Chicago Botanic Garden

\$74 nonmember; members receive 20% discount  
Saturday, March 28, 9 a.m. – noon  
Plant Science Lab, Regenstein Center

*Queen of the climbers, clematis is an essential vine for every garden.*

## Soil Basics, Spring Session

*MGC, PGL 1, PGL 2, and GDC requirement*

Soil is an irreplaceable natural resource that affects plant selection and growth. Learn to maintain healthy soil; use compost, fertilizers, soilless and potting mixes and other amendments. Discover how water cycles through a garden and affects soils and plants. Course fee includes a professionally analyzed test of your garden soil. Prerequisite: Botany 1.

Ellen Phillips, horticulture educator  
\$337 nonmember; members receive 20% discount

6 Thursdays, April 9 – May 21, 6:30 – 9 p.m.  
(no class April 16)  
and  
Saturday, April 25, 1 – 4 p.m.  
Annex 2

## Best New Annuals for 2015

*OPC elective*

It's going to be a banner year for annuals! This course presents many new cultivars, along with several wonderful yet underutilized species for both container and in-ground plantings in sun and shade. Focus on what makes each unique and ideal, including morphological characteristics and garden performance. Other topics include cultural requirements, design and combinations, and sources. The School's CEUs=0.3

Greg Trabka, new product development manager,  
Ball Horticultural Company

\$74 nonmember; members receive 20% discount  
Saturday, April 25, 1 – 4 p.m.  
Linnaeus Room

## Annuals and Biennials

*PGL 1, PGL 2, GDC, and OPC requirement*

Annuals and biennials have a rich tradition and exciting future. During this course, focus on the most popular cool- and warm-season species along with a selection of the new cultivars and unusual plants, all of which are well suited to container and in-ground gardening in the Midwest. During the lectures and Garden walks, learn plant identification and cultural information and see examples of refined plant combinations and intriguing planting styles. The School's CEUs=2.5

Mark Zampardo, Ph.D., horticulture educator  
\$287 nonmember; members receive 20% discount

7 Tuesdays, May 12 – June 23, 6:30 – 8:30 p.m.  
Alsdorf Auditorium  
Garden Walks (select one)  
6 Thursdays, May 14 – June 18, 9 – 11 a.m.  
or  
6 Saturdays, May 16 – June 20, 9 – 11 a.m.  
Optional Study CD \$20

## Growing Vegetables and Herbs

*MGC requirement*

Whether you have a large garden plot or a cozy city lot, you will discover new vegetable and herb varieties and creative ways to integrate them into your landscape. Learn appropriate growing conditions, average planting times, effective harvesting procedures, as well as common diseases and pests. Please dress for the weather.

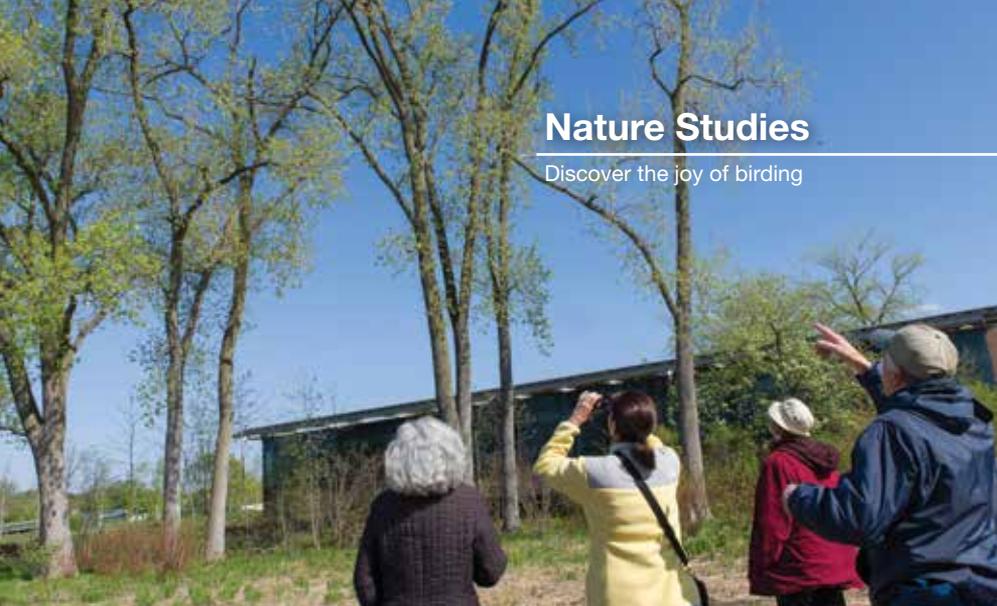
Lisa Hilgenberg, horticulturist,  
Fruit & Vegetable Garden, Chicago Botanic Garden

\$224 nonmember; members receive 20% discount  
6 Tuesdays, June 16 – July 28, 6:30 – 8:30 p.m.  
(no class June 30)  
Fruit & Vegetable Classroom  
and  
Saturday, July 12, 9 a.m. – noon  
Off-site farm visit



## Nature Studies

Discover the joy of birding



## Nature Studies

The Chicago area contains a wide range of plants and animals living in different types of natural communities, from woodlands to wetlands, from prairies to savannas.

### New! The Winter Birds of Chicagoland

If you are wondering where you might go to see one of the tougher-to-find winter birds like a northern shrike or snow bunting, wonder where the best grassland might be to see a wintering short-eared owl or just want to go somewhere to see a nice mix of some of the many birds that you know (or didn't know) spend the winter in the Chicago area, this is the program to come see and find out. You'll even be told how to go about looking for some of the species you've never been able to find. A short hike before and after the program will show you a few of our regular winter residents, and also explain some of the easy things to help you find more birds on a cold winter day, when the birds are making themselves hard to find. Dress for the weather and wear your hiking boots for this interesting and informative hike and program.

Steve Bailey, ornithologist,  
Illinois Natural History Survey  
\$37 nonmember; members receive 20% discount  
Sunday, November 23, 9 – 11 a.m.  
Brushwood House, Ryerson Woods, Deerfield, IL

Visit [chicagobotanic.org/school/faculty](http://chicagobotanic.org/school/faculty) for faculty biographies.

Chicago Botanic Garden members receive a 20 percent discount on classes.

### New! Native Bees – What's the Buzz?

You may be familiar with bumblebees and honeybees, but Illinois boasts 500 species of native bees—metallic green and blue bees that look nothing like the fuzzy yellow and black icon. To evaluate the best habitats for native bees, Rebecca Tonietto has investigated bee communities of green roofs and city parks in urban environments, and is currently evaluating the effects of prairie restoration on our native bee communities. Dr. Tonietto will share the natural history of some of our native bee species. She will discuss foraging and nesting requirements of native bees and give details on how to encourage these native pollinators to visit and live in your yard.

Rebecca Tonietto, Ph.D. candidate,  
Northwestern Plant Biology and Conservation Program  
\$27 nonmember; members receive 20% discount  
Wednesday, January 21, 6:30 – 8 p.m.  
Annex 2

### Owl Prowl at Ryerson Woods

Join Steve Bailey for a captivating night exploring the mystery of owls at the Ryerson Woods Conservation Area. He will discuss owl behavior and identification, as well as the places these fascinating birds are most likely to be seen. He may even demonstrate his world-famous barred owl call. After the discussion, Bailey will lead a walk in the woods to look and listen for these enigmatic birds. Please dress warmly, and bring along a flashlight and binoculars. A map will be sent.

Steve Bailey, ornithologist,  
Illinois Natural History Survey  
\$37 nonmember; members receive 20% discount  
Friday, February 13, 7 – 9 p.m.  
Brushwood House, Ryerson Woods, Deerfield, IL

### New! Winter Bird Walk

Join bird expert Alan Anderson to explore the Garden in its winter glory. Discover our winter bird residents and the early migrants of spring. Each walk is approximately one to two hours long. Dress for the weather, and bring binoculars and a field guide, if you have one.

Alan Anderson, research committee chairman,  
Chicago Audubon Society  
\$19 nonmember; members receive 20% discount  
Saturday, February 28, 7:30 – 9 a.m.  
Meet at Visitor Center

### New! Creating Habitat for Birds and Butterflies

One of the great joys of gardening is taking time to observe all the winged wonders that visit your plants. In this class, you'll discover some of the most common birds and butterflies to visit local gardens and learn what you should plant to attract them.

Nina Koziol, garden writer  
\$37 nonmember; members receive 20% discount  
Saturday, March 7, 1 – 3 p.m.  
Annex 2

### Spring Bird Walk

Join bird expert Alan Anderson to explore the best spots in the Garden for locating late-winter bird residents and the early migrants of spring. Each walk is approximately one to two hours long. Dress for the weather, and bring binoculars and a field guide, if you have one.

Alan Anderson, research committee chairman,  
Chicago Audubon Society  
\$19 nonmember; members receive 20% discount  
Saturday, March 21, 7:30 – 9 a.m.  
Meet at the Visitor Center

### New! Barbara Brown Nature Reserve Bird Walk

Join bird expert Alan Anderson and discover the Garden's 6-acre Barbara Brown Nature Reserve. The Reserve will provide you ample opportunities to view waterfowl, wading birds, and upland songbirds from the comfort of a pedestrian path. The walk is approximately one to two hours long. Dress for the weather, and bring binoculars and a field guide, if you have one. A map will be sent.

Alan Anderson, research committee chairman,  
Chicago Audubon Society  
\$19 nonmember; members receive 20% discount  
Saturday, April 25, 7:30 – 9 a.m.  
Meet at the Barbara Brown Reserve,  
Chicago Botanic Garden

## Garden Design

With a variety of courses ranging from site analysis and construction to garden art and history, students learn the principles of garden design and how design relates to the environment.

### Painting Your Garden with Plants: Sun and Shade

Register for both sessions at once and save 10 percent.

### Designing the Sunny Border

The well-designed border wears a combination of perennials, annuals, and shrubs that provide three seasons of color and winter interest. This class will discuss how to artfully combine plants with an emphasis on the use of color, texture, and form. Whether you are a new gardener or have an established border that could use updating, this class is for you.

Nina Koziol, garden writer  
 \$37 nonmember; members receive 20% discount  
 Saturday, February 28, 10 a.m. – noon  
 Linnaeus Room

### Designing the Shade Garden

A garden shaded by trees or buildings is often a challenge for the gardener who is faced with low light levels, tree roots, and soil that is often dry. This class provides solutions and ideas for artful plantings that can help you create effective combinations that consider color, texture, and form.

Nina Koziol, garden writer  
 \$37 nonmember; members receive 20% discount  
 Saturday, February 28, 1 – 3 p.m.  
 Linnaeus Room

### New! The Victorian Garden

What do carpet beds, moon gardens, cottage gardens, specimen trees, snowball bushes, and fragrant peonies have in common? They're all part of the tapestry that made up the American Victorian-era garden. In this class, we'll look at key design elements and plants that were admired by gardeners from the 1870s to the turn of the century.

Nina Koziol, garden writer  
 \$37 nonmember; members receive 20% discount  
 Saturday, March 21, 1 – 3 p.m.  
 Linnaeus Room



## Garden Design

A well-designed garden creates beauty.

### NEW SERIES! ELEMENTS OF THE GARDEN

Join Timothy Lally, ASLA, for this series of classes that explore the different landscape elements of a garden—walks and pathways, decks, patios, fences, latticework, lighting, water features, and art in the garden. Basic design considerations of each element will be covered in the classes.

#### New! Garden Landscape Lighting

Outdoor lighting extends the use and enjoyment of your garden into the evening hours. During this class, we will discuss the various types of lighting such as uplighting, downlighting, spotlighting, path lighting, and lighting for safety and security. We will spend the final part of the class walking in the Garden observing examples of outdoor lighting.

Tim Lally, ASLA, PLA, principal, Timothy Lally Design  
 \$37 nonmember; members receive 20% discount  
 Monday, November 17, 6:30 – 8:30 p.m.  
 Lakeside Room, Visitor Center

#### New! Decks

As an extension of the house, the deck should have the same level of design detail as your home. In this course, we will explore the design elements of a deck—style, shape, size, scale, and material. We will also look at design options for stairs, rails, benches, and skirts. Although this is not a class on how to build a deck, we will look at the basic construction details and see how design is influenced by how a deck is constructed.

Tim Lally, ASLA, PLA, principal, Timothy Lally Design  
 \$37 nonmember; members receive 20% discount  
 Monday, March 9, 6:30 – 8:30 p.m.  
 Lakeside Room, Visitor Center

#### New! Patios

The patio is a place to enjoy meals, to entertain, to relax, and to spend time with family and friends. It is, in effect, your outdoor living room. Style, size, shape, and material are design elements that need to be considered when designing a patio. In addition to these elements, we will explore various paving materials such as brick, bluestone, concrete pavers, and limestone, that complement the architectural style of your home and reflect the spirit of your garden.

Tim Lally, ASLA, PLA, principal, Timothy Lally Design  
 \$37 nonmember; members receive 20% discount  
 Monday, April 6, 6:30 – 8:30 p.m.  
 Lakeside Room, Visitor Center

Visit [chicagobotanic.org/school/faculty/biographies](http://chicagobotanic.org/school/faculty/biographies).

Chicago Botanic Garden members receive a 20 percent discount on classes.

## WEEKEND DESIGNER SERIES

If you have always wanted to improve the design of your home landscape, or if you are a new homeowner wondering where to start, this series is a great way to introduce yourself to the basic principles of landscape design. This lecture series, created for novice designers, will take you from basic design theories to site-planning techniques and finally to techniques for implementing a design plan.

Register for all five sessions at once and save 10%.

### Introduction to Design Principles

This workshop introduces and reviews the landscape design process of site analysis, conceptual design, and evaluations, based on such landscape-design principles as balance, symmetry, proportion, scale, and unity. Looking at plant combinations and landscape features, you will learn about color, texture, line, form, and methods of creating garden spaces.

Valerie Gerdes Lemme, landscape architect, ASLA  
\$37 nonmember; members receive 20% discount  
Tuesday, January 27, 7 – 9 p.m.  
Lakeside Room, Visitor Center

### Foundation Planting Design

Do you live in an older home with an outdated foundation planting of overgrown evergreens? Or in a newer home that needs help creating an identity and style? Whether old or new, many homes have foundation plantings that need revamping. Learn the principles of good foundation design and view examples of plants that may work well, reduce maintenance, and provide multi-season interest. Good design will improve the curb appeal of your home, increasing its value.

Valerie Gerdes Lemme, landscape architect, ASLA  
\$37 nonmember; members receive 20% discount  
Tuesday, February 3, 7 – 9 p.m.  
Lakeside Room, Visitor Center

## Front Yard Design

This course will teach you the basics of front yard landscape design. A lecture and slides will demonstrate how proper planting design can change the way you use and view your property. Your front yard design should respond to your home's architecture as well as be aesthetically pleasing. Topics will include proper plant types and spacing, focusing and screening views, and creating curb appeal.

Jeffrey True, vice president of operations, Hursthouse, Inc.  
\$37 nonmember; members receive 20% discount  
Tuesday, February 10, 7 – 9 p.m.  
Lakeside Room, Visitor Center

## Backyard Design

Learn how to create an enjoyable backyard space that is both functional and exciting. This course will focus on the design and development of functional and attractive spaces, including dining and entertaining areas (such as decks and patios), children's play spaces, and outdoor storage and utility areas. Learn how to screen and focus views and create a sense of enclosure for areas where you desire a private space for comfort and security.

Jeffrey True, vice president of operations, Hursthouse, Inc.  
\$37 nonmember; members receive 20% discount  
Tuesday, February 17, 7 – 9 p.m.  
Lakeside Room, Visitor Center

## From the Drawing Board to the Border

How do you take your plans from the drawing board to creating the garden without being overwhelmed by the amount of work and money? Learn how to develop a shopping list and timeline to phase the work over several seasons. You'll also receive some useful tips on budgeting, purchasing plants, and working with landscape professionals.

Valerie Gerdes Lemme, landscape architect, ASLA  
\$37 nonmember; members receive 20% discount  
Tuesday, February 24, 7 – 9 p.m.  
Lakeside Room, Visitor Center

## GREAT GARDENS SERIES

Tour great gardens of England, Scotland, Spain, and the Netherlands through the lens of garden photographer Linda Oyama Bryan. A narrative that reflects the photographer's enthusiasm for the history of garden design will accompany the stunning images.

Register for the entire series receive a 10% discount.

### Great Gardens of England and Scotland

Tour the major gardens that exemplify the rich tradition of British gardening styles from the sixteenth century to the present. Linda Oyama Bryan's photographic eye captures not only the design highlights of the great garden designers, but also reflects the distinctive spirit of each garden. Highlights include Sudeley Castle, Blenheim, Stowe, Hestercombe, Hidcote, Barnsley House, and the wonderful Cornish and Scottish gardens of Trebah, Heligan, and Inverewe, plus many others.

\$37 nonmember; members receive 20% discount  
Wednesday, February 18, 7 – 9 p.m.  
Alsdorf Auditorium

### Great Gardens of Holland

The Great Gardens of Europe lecture series continues as photographer Linda Oyama Bryan brings the spring bulbs and fields of Holland to warm our cold spring months. Featured will be the world-famous spring displays of Keukenhof, the gardens of Het Loo, the tulip fields of the Netherlands, and naturalistic, historical, and contemporary gardens by Dutch designers. An in-depth tour of the Aalsmeer Flower Auction will enlighten viewers about how flowers get distributed worldwide.

\$37 nonmember; members receive 20% discount  
Wednesday, February 25, 7 – 9 p.m.  
Alsdorf Auditorium

### Great Gardens of Spain: Granada and Barcelona

Tour the famous El Alhambra palace and gardens in Granada through photographer Linda Oyama Bryan's eye. The Chicago Botanic Garden's book and exhibition, *In Search of Paradise*, demonstrated the importance of this fabulous Moorish garden on international garden design through the centuries. The brilliant colors, unique architecture, and varied gardens of Barcelona also emphasize the Spanish union of nature and art.

\$37 nonmember; members receive 20% discount  
Wednesday, March 4, 7 – 9 p.m.  
Alsdorf Auditorium



*Enjoy a glimpse of spring and learn about the Great Gardens of Holland, with Linda Oyama Bryan.*

## GARDEN DESIGN CERTIFICATE OF MERIT PROGRAMS

### Garden Design Implementation

#### GDC requirement

You have the design; you have the client; you have the funding—now what? Lectures will focus on the steps necessary to carry a project from a finished design through to a built landscape. Course projects will include the preparation of construction details and documents, technical specifications, and cost estimates. Prerequisites: Graphics, Introduction to Professional Practice, Hardscape Basics, Introduction to Grading and Draining, Principles of Garden Design, and Planting Design

Jodi Mariano, RLA, senior associate, Teska Associates, Inc.

\$337 nonmember; members receive 20% discount  
**9 Wednesdays, January 14 – March 11, 6:30 – 9 p.m.**  
 (March 18 snow date)  
 and  
**Saturday, March 7, 1 – 4 p.m.**  
 Lakeside Room, Visitor Center

### Graphics, Winter Session

#### PGL 2 and GDC requirement

Come learn the basic principles of landscape design illustration. This balanced and rewarding class provides an exciting introduction to the three basic areas of drawing communication: plans, elevations, and perspectives. Discover how to express your ideas using effective and enriched presentation techniques. Professional time-saving shortcuts, the importance of lettering, and the excitement of color are all also included. Recommended to take concurrently with Introduction to Professional Practice.

Timothy Lally, ASLA, RLA, principal, Timothy Lally Design

\$337 nonmember; members receive 20% discount  
**10 Thursdays, January 15 – March 19, 6:30 – 9 p.m.**  
 (March 26 snow date)  
 and  
**2 Saturdays, January 17 & 24, 1 – 3 p.m.**  
 Design Studio

### Introduction to Professional Practice

#### PGL 2 and GDC requirement

Apply skills learned in Graphics toward a working understanding of the initial phases of a landscape design project. Lectures will focus on the preliminary steps necessary to begin a landscape design project and carry the project through the conceptual design phase, including site measurements, base maps, site analysis, programming, functional use diagrams, conceptual design plans, and preliminary cost estimates. Prerequisite: Graphics (courses can be taken concurrently).

Paul Laiblin, project manager and senior estimator, Scott Byron and Co.

\$337 nonmember; members receive 20% discount  
**11 Wednesdays, January 21 – April 1, 6:30 – 9 p.m.**  
 Design Studio  
 and  
**2 Saturdays, February 7 & 14, 1 – 4 p.m.**  
 Linnaeus Room

## New! Drawing & Visualization Skills for Designers

#### GDC elective

**2 Sundays, February 8 & 15, 9 a.m. – 1 p.m.**

See details on page 42.

### Principles of Garden Design, Spring Session

#### PGL 2 and GDC requirement

Apply knowledge and skills developed in previous design courses toward an in-depth understanding about spatial properties of landscape materials and their application to design principles. Weekly discussions and projects will emphasize the components of three-dimensional spaces and their application to the development of refined concept design plans and construction level drawings. Prerequisites: Graphics, Introduction to Professional Practice.

Tony Wasemann, ASLA, senior landscape designer, Scott Byron & Co.

\$337 nonmember; members receive 20% discount  
**8 Wednesdays, April 22 – June 10, 6:30 – 9 p.m.**  
 and  
**2 Saturdays, April 25 & May 2, 11 a.m. – 2 p.m.**  
 Design Studio

### Gardens That Heal: A Prescription for Wellness

#### Healthcare Garden Design Certificate Seminar

In a healthcare environment, gardens provide a sense of order, safety, and privacy for those coping with illness. During this seminar, industry leaders will present the latest research demonstrating the benefits of healthcare gardens, while providing an introduction to the tools needed to effectively design, manage, and evaluate such gardens. Fee includes morning coffee and lunch. This program is registered with the American Society of Landscape Architects for continuing education credit. Registrations made after Wednesday, May 6, are not eligible for the lunch option.

\$149 nonmember or \$129 before April 8; members receive 20% discount  
**Wednesday, May 13, 9 a.m. – 5 p.m.**  
 Alsdorf Auditorium

## Botanical Arts and Humanities

Throughout history, plants and images of plants have been woven into the arts—painting, literature, and photography. The beauty of botanical arts courses is that they encompass a wide variety of topics, from photography to calligraphy, botanical illustration to papermaking. In introductory and higher-level courses, students have the opportunity to express their creative flair while sharing time with others in an enjoyable setting.

### HOLIDAY FIBER ARTS WORKSHOPS

Come learn how to felt while hearing stories of a knitter, shepherd, and small business owner! Natasha Lehrer, of Esther's Place Fiber Arts Studio in Big Rock, Illinois, will share her love of fiber arts and inspire you to create!

Register for both sessions at once and receive a 10 percent discount.

#### New! Twiggy Reindeer

Ring in the holidays with this woodland reindeer. From his twiggy legs to his bittersweet berry antlers, red nose and perky tail, he's so cute and so simple to create. Learn how to take wool and shape and sculpt it into felt as we walk you through the steps. Perfect for the novice crafter, needle felting is an easy to learn technique that is both creative and relaxing. It uses a special needle to tangle the wool fibers into felt that can be shaped and sculpted into a multitude of ideas! Come join us to try this new and novel craft!

\$49 nonmember; members receive 20% discount  
**Tuesday, November 18, 10 a.m. – noon**  
 Lakeside Room, Visitor Center

#### New! Holiday Cardinal

Everyone loves the cheer that a cardinal brings to the winter landscape! How about making them as ornaments for the holidays? Learn to shape each part with wool, then connect it all together and sculpt it to life. We'll use hand-dyed wool and needle felting techniques, working step by step so even novice crafters will walk away with something fantastic! You'll be inspired to make a whole family of birds with the skills learned in this class.

\$49 nonmember; members receive 20% discount  
**Tuesday, November 18, 1 – 3 p.m.**  
 Lakeside Room, Visitor Center



### New! Herbal Winter Ornaments

This class helps students create decorative elements from nature with scents that suggest the holidays. Students will create an orange pomander ball, lavender and rose tree ornament, and a spiced herb garland, great for hanging over doorways or on a Christmas tree. Don't miss this opportunity to indulge in the complex scents of the season—cinnamon, nutmeg, cloves, allspice, red rose, blue lavender, balsam fir, bay, juniper berry, orange, and lime—that you will bring home with you. Ideal for gift giving!

Stephanie Rose Bird, B.F.A., M.F.A., author, herbalist, and aromatherapist  
\$124 nonmember; members receive 20% discount  
Saturday, November 22, 10 a.m. – 4 p.m.  
Annex 2

### Holiday Calligraphy Workshop

Adorn the holidays with the beautiful, personal touch of calligraphy! Create beautiful holiday cards, gift tags, place cards, and thank you notes. Learn to embellish your notes with such simple holiday motifs as holly and wreaths. A supply list will be sent.

Judith Joseph, artist and educator  
\$149 nonmember; members receive 20% discount  
4 Tuesdays, November 25 – December 16,  
12:30 – 3 p.m.  
Design Studio

### New! Holiday Evergreen Wreath

Make an evergreen wreath to grace your home this holiday season! You will learn how to cut the greens and assemble them to create your own mixed evergreen wreath. Balsam, white pine, arborvitae, and boxwood will be the base greens, with a special evergreen accent. Please bring garden gloves, pruners, and a box to transport your finished project. All other materials are included in the fee.

Becky Porter, designer, Victor Hlavacek Florist and Greenhouses, Winnetka, Illinois  
\$79 nonmember; members receive 20% discount  
Monday, December 1, 10 a.m. – noon  
or 6:30 – 8:30 p.m.  
Annex 2

### New! Mosaic Address Plaque

*Great gift idea!*

Create a personalized address plaque for your home with artist Janet Austin. In this full-day workshop, learn the fundamentals of mosaic design, tile cutting, proper substrate, adhesion, and grouting for outdoor use. During the morning, we will design, cut, and set tiles. There will be a 1½-hour break to allow time for the mortar to set, and then in the afternoon, we will grout the projects. The piece is then ready to take home and hang. The final piece will be approximately 8 x 14 inches. All materials are included, with choices of glass and stone mosaics, and special handmade tiles by the artist.

Janet Austin, artist  
\$149 nonmember; members receive 20% discount  
Tuesday, December 2, 9:30 a.m. – 2 p.m.  
or  
Thursday, December 4, 9:30 a.m. – 2 p.m.  
Annex 2

### Personalized Natural Perfume Workshop

Create a personalized natural aroma at this beginner-level workshop while learning about plant origins and distillation. Sample fragrant oils will be provided from around the world, including American clary sage, Egyptian jasmine, French lavender, Italian bergamot, and more. Choose a unique combination of oils for the instructor to blend into your own signature scent. Fee includes .25 ounce bottle of custom natural perfume to take home.

Jessica Hannah, natural perfumer and interdisciplinary artist, J. Hannah Co.  
\$74 nonmember; members receive 20% discount  
Saturday, December 6, 10 a.m. – noon or 1 – 3 p.m.  
or  
Saturday, March 14, 10 a.m. – noon  
Linnaeus Room

### New! The Magic of Botanical Soapmaking

When properly prepared, herbs, flowers, roots, bark, and leaves yield subtle, earthy colors, pleasing fragrances, wonderful textures, and most importantly, healing medicines. You will learn how to extract saponins and colors from plants, and some of the basic medicinal qualities of herbs for natural skincare, as well as how this applies to soap making. In this workshop, you will have fun while learning to make naturally scented soaps and herbal washes, with shapes and colors inspired by Mother Nature. Bring a small basket and plastic bottle to carry your ready-to-use soaps home. Your basket will be filled with a dozen handmade soaps, ideal for gift giving.

Stephanie Rose Bird, B.F.A., M.F.A., author, herbalist, and aromatherapist  
\$124 nonmember; members receive 20% discount  
Sunday, December 7, 10 a.m. – 4 p.m.  
Annex 2

### Holiday Centerpiece

Join us at the Garden and create a lovely, long-lasting holiday centerpiece, using fresh-cut evergreens and seasonal flowers. Bring gloves, pruners, and a box for your finished arrangement. The fee includes all other materials.

Liz Rex, horticulturist, Chicago Botanic Garden  
\$74 nonmember; members receive 20% discount  
Thursday, December 18, 9:30 a.m. – noon  
Annex 2

### Frame Loom Weaving

In this class we examine the many possibilities of creating woven forms using a simple frame loom. Students will experiment with the techniques of tapestry and plain-weave, then explore ways of creating surface, image, and text within a woven form to create independent projects. Students will be exposed to both contemporary and historical artworks and will participate in skill-building demonstrations to broaden their technical skills. Open to students who have taken Beginning Frame Loom Weaving or consent of the instructor.

Pamela Feldman, artist and educator  
\$749 nonmember; members receive 20% discount  
15 Wednesdays, January 7 – April 15, 9 a.m. – 1 p.m.  
Design Studio

### Watercolor: Painting the Natural World

This course addresses ways to express the beauty of nature in watercolor. Each week will focus on a specific technique, such as ways to mix greens or show natural textures, with a goal of a more satisfying painting experience. The last two weeks will focus on landscape techniques: how to use composition, color, and focus to create the impression of a beautiful natural place. A supply list will be sent.

Judith Joseph, artist and educator  
\$289 nonmember; members receive 20% discount  
8 Thursdays, January 8 – February 26,  
12:30 – 3:30 p.m.  
Design Studio

### Beginning Natural Dyes

Students will learn how to create eco-friendly color on a variety of materials through research, experimentation, and the collaborative process. We will start by learning the foundations of natural dyeing—experimenting with raw dyes, extracts, and the indigo process. Continuing in the collaborative process, students will create a book of dye samples. Discussion topics such as dye history, gardens, and techniques will be supplemented with a detailed handout. All dyes and some fabrics are provided. A list of other supplies will be mailed to students before the first day of class. Open to all levels.

Pamela Feldman, artist and educator  
\$399 nonmember; members receive 20% discount  
4 Mondays, January 12 – February 2, 9 a.m. – 3 p.m.  
Plant Science Lab, Regenstein Center

### Mosaic Workshop

*Make great gifts!*

Discover the joy and beauty of mosaic art in the pique assiette tradition. Pique assiette, or “broken plates,” incorporates a wonderful blending of color, form, and texture. This mosaic folk art can be found in many cultures and is popular today as a way to recycle a favorite piece of china or broken heirloom. Work under the guidance of Bonnie Arkin to complete a unique mosaic from shards of china, ceramic, or glass. A supply list is given at the first class, but you can start collecting dishes now!

Bonnie Arkin, artist and designer  
\$149 nonmember; members receive 20% discount  
6 Thursdays, January 15 – February 19, 7 – 9 p.m.  
or  
6 Thursdays, February 26 – April 2, 7 – 9 p.m.  
Annex 1

## BOTANICAL ART: “LEARN HOW” SERIES

This series of classes is for anyone who has an interest in learning how to draw and paint, but feels intimidated merely at the thought. Heeyoung Kim’s step-by-step instruction and guidance will allow you to learn and have fun doing it! Plan to spend the day and register for both sessions at once and receive a 10 percent discount.

### Learn How to Draw – Level 1 & 2

This class is designed for those who have a desire to draw and are convinced they can’t. Learn the fundamental principles of putting pencil to paper by developing a basic pencil-line technique. Understand how to establish shape, form, depth, and dimension, as well as proportions and perspective! This class is also recommended for beginning horticultural students.

Heeyoung Kim, botanical artist  
\$312 nonmember; members receive 20% discount  
6 Fridays, January 16 – February 27, 9 a.m. – noon  
(no class February 6)  
Design Studio

Please note: This class accommodates students who have already completed Learn How to Draw with the study of more advanced drawing techniques and learning the fundamentals of working in color.

### Learn How to Paint in Watercolor –Level 1 & 2

This class is designed as an introduction to the botanical art of painting in watercolor. If you are intimidated by the sight of a sheet of white paper, this class is for you! Develop an understanding of a basic color palette, mixing color, and sound color selection through a basic step-by-step approach. Students will progress to working with botanical specimens as they develop a sense of color accuracy. Learn the basics of watercolor—surprise and delight yourself and amaze your friends!

Heeyoung Kim, botanical artist  
\$312 nonmember; members receive 20% discount  
6 Fridays, January 16 – February 27, 1 – 4 p.m.  
(no class February 6)  
Design Studio

Please note: These classes accommodate students who have already completed Learn How to Paint in Watercolor with the study of more advanced techniques and are taking the next steps in watercolor painting fundamentals.

### Rejuvenated Jewelry

Inspired by the little treasures you save and love, we will cleverly combine old and new elements to create spectacular jewelry. Bring your special and sentimental keepsakes, single earrings, buttons, charms, chains, family photos, and found objects. We can create wonderful new designs from vintage treasures. You will learn to solder, wire wrap, and string. Arkin has many examples to share and resources for treasure hunting. A supply list will be sent.

Bonnie Arkin, artist and designer  
\$149 nonmember; members receive 20% discount  
6 Tuesdays, January 20 – February 24, 7 – 9 p.m.  
or  
6 Tuesdays, March 3 – April 7, 7 – 9 p.m.  
Annex 1

### Wrapped in Red: Silk Scarf-Dyeing With Natural Dyes

In this one-day class, students will learn about two different natural red dyes: cochineal, a blue-red dye from the Americas, and madder, an orange-red dye from Asia Minor. We will combine these two dyes to produce a unique red color on a silk scarf. Each student will dye a large silk scarf to take home. Scarf and dyes are included in the class fee. A short supply list will be sent to each student.

Pamela Feldman, artist and educator  
\$119 nonmember; members receive 20% discount  
Monday, February 9, 9 a.m. – 1 p.m.  
Annex 2

### New! Orchid Designs in Decorative Containers

Looking for a creative way to display the orchid you just purchased at the sale? Learn interesting ways to showcase your new plant in a variety of styles of containers and how to finish the design with decorative sticks and moss. You will also learn care tips to maximize longevity of your orchids during this demonstration style lecture. A tour of the Orchid Show is included.

Becky Porter, Designer, Victor Hlavacek Florist and Greenhouses  
\$37 nonmember; members receive 20% discount  
Monday, February 23, 1 – 3 p.m.  
Plant Science Lab, Regenstein Center

### Watercolor 2

For students who have completed Beginning Watercolor, we will continue to learn various techniques and color theory while exploring different ways to combine light, composition, color, and textures in watercolor painting. A supply list will be sent.

Patsy Welch, artist and educator  
\$237 nonmember; members receive 20% discount  
6 Tuesdays, February 24 – March 31, 1 – 3:30 p.m.  
Design Studio

### Meditations in Ink: Orchid

*Asian Brush Painting Workshop with Bruce Iverson*

This workshop will be a relaxing, meditative exploration of the nature and techniques of Asian brush painting and calligraphy. Through instructor demonstrations and hands-on projects, students will learn the ancient and elegant art of painting the grass orchid in the traditional *hsieh-i* (spontaneous) style. Join this award-winning artist and learn how to paint this traditional flower in ink and color with elegant and beautiful results. Your success is guaranteed! Participants will leave the workshop with two completed projects. Previous art experience is not necessary. All class materials are provided (bamboo brushes, ink, inkstone, and rice paper) as well as admission to the Orchid Show with the class.

Bruce Iverson, artist  
\$187 nonmember; members receive 20% discount  
Friday, February 27, 9 a.m. – 4 p.m.  
Plant Science Lab, Regenstein Center

### New! Meditations in Ink: Plum Blossom

*Asian Brush Painting Workshop with Bruce Iverson*

This class is a relaxing, meditative exploration into the nature and techniques of painting the plum blossom in the *hsieh-i* (spontaneous) and outline styles. Through instructor demonstrations and hands-on painting, learn how to paint this traditional flower in ink and color with elegant and beautiful results. Participants will leave the workshop with two completed projects. Previous art experience is not necessary. All class materials are provided (bamboo brushes, ink, inkstone, and rice paper).

Bruce Iverson, artist  
\$187 nonmember; members receive 20% discount  
Friday, March 6, 9 a.m. – 4 p.m.  
Design Studio

### New! Formulating Perfumes with Natural Essences

Dive deeper into the world of scents in this workshop where you will learn perfume structures, plant origins, and their historical context. You will blend two unique perfumes during our time together, improving your skills and olfactory recognition as we analyze each blend. Fee includes two .25 ounce vials of custom natural perfume to take home. No preliminary perfuming experience is necessary. Class size is limited to 8.

Jessica Hannah, natural perfumer and interdisciplinary artist, J. Hannah Co.  
\$165 nonmember; members receive 20% discount  
Saturday, March 14, 1 – 5 p.m.  
Linnaeus Room

### Willow Furniture Workshop

Natural willow furniture is the perfect rustic accent, whether you need a seat for that perfect spot in your garden or a place to repot your houseplants. Join Bim Willow and learn the basic techniques of making bent willow furniture. You will select one project to complete during the workshop when you register; class fee varies depending on project chosen. Projects are large, so bring a vehicle that can accommodate them. Bring a hammer, hand pruners, and work gloves; all other supplies provided. No experience necessary. Please bring a bag lunch, if you wish. Limited space; register early.

Bim Willow, furniture maker and author  
Sunday, March 29, 9:30 a.m. – 3 p.m.  
Burnstein Hall, Regenstein Center

Select one of these bent willow projects:

**Bent Willow Chair:** \$245  
**One-shelf potting bench/baker’s rack:** \$220  
**Garden bench:** \$115

Members receive 20% discount

### Pop-Up Paper Orchid Workshop

Celebrate the 2014 Orchid Show by making gorgeous pop-up orchids! After creating a simple pop-up card with white card stock, you will visit the Orchid Show and take photos or make quick sketches of a specific orchid you would like to re-create in pop-up. With photo or sketch in hand, you will return to the workshop. Using card stock in a wide range of colors, you will build a second card, customizing the shapes and using color to make the bloom your own. No experience necessary; just bring a camera or sketchbook, any dry media (colored pencil, pastel, etc.) you might like to use, and your love of orchids! All tools are supplied for this workshop, but feel free to bring your own if you prefer working with them.

Shawn Sheehy, pop-up engineer and author  
\$62 nonmember; members receive 20% discount  
Saturday, February 28, 1 – 4 p.m.  
Plant Science Lab, Regenstein Center

### New! Pop-Up Paper Bugs: Workshop 1

Let's celebrate our garden heroes! Create a whimsical collection of pop-up and movable bug cards, featuring a honeybee, a firefly, and a cricket, and learn about the fundamentals and materials of pop-up engineering. No experience is necessary, but binding and/or sewing skills will speed your progress. All tools are supplied for this workshop, but feel free to bring your own if you prefer working with them.

Shawn Sheehy, pop-up engineer and author  
\$62 nonmember; members receive 20% discount  
Sunday, March 29, 1 – 4 p.m.  
Lakeside Room, Visitor Center

### New! Pop-Up Paper Bugs: Workshop 2

Let's celebrate our garden heroes! Create a whimsical collection of pop-up and movable bug cards, featuring a moth, a ladybug, and a dragonfly, and learn about the fundamentals and materials of pop-up engineering. No experience is necessary, but binding and/or sewing skills will speed your progress. All tools are supplied for this workshop, but feel free to bring your own if you prefer working with them.

Shawn Sheehy, pop-up engineer and author  
\$62 nonmember; members receive 20% discount  
Sunday, April 12, 1 – 4 p.m.  
Lakeside Room, Visitor Center



## BOTANICAL ARTS CERTIFICATE OF MERIT PROGRAM

### Botanical Drawing 1

#### ART requirement

Strong drawing is the cornerstone of botanical art. In this class, we will work in pencil, covering the fundamentals of proportions, line, tone, dimensionality, and expression. We will work from live specimens, flowers, seeds, and fruit.

Marlene Hill Donnelly, scientific illustrator, Chicago Botanic Garden and The Field Museum  
\$349 nonmember; members receive 20% discount  
8 Saturdays, January 10 – February 28, 9 a.m. – noon  
Design Studio

### Introduction to Oil Painting

#### ART requirement option, expressive track

Open to all levels, this class will immerse you in the painting process from day one. Students will learn how to select, compose, and paint based on strong design, values, and colors. This wonderful medium allows for extended manipulation and nuances of interpretation.

Thomas Trausch, artist, TWSA master status  
\$287 nonmember; members receive 20% discount  
6 Saturdays, January 10 – February 14, 1 – 4 p.m.  
Lakeside Room, Visitor Center

### Botanical Drawing 3

#### ART requirement

We will explore different approaches to capture beautiful and accurate botanical detail, frequently using the microscope. We will work primarily in pencil and will experiment with different tools to achieve particular textures and effects. Prerequisite: Botanical Drawing 1 and 2 or equivalent

Marlene Hill Donnelly, scientific illustrator, Chicago Botanic Garden and The Field Museum  
\$287 nonmember; members receive 20% discount  
6 Tuesdays, January 13 – February 17, 6 – 9 p.m.  
Design Studio

### Drawing in Carbon Dust

#### ART elective

Carbon dust is a beautiful, versatile, and little-known medium that lends itself to both broad, painterly expression and to extreme fine detail. It is appropriate to all botanical subjects as well as to landscapes and still lifes. Working on various paper with a variety of black pigments (applied with both brushes and pencils), we will focus on botanicals to explore many rich possibilities. The School's CEUs= 0.9

Marlene Hill Donnelly, scientific illustrator, Chicago Botanic Garden and The Field Museum  
\$159, nonmember, members receive 20% discount  
Sunday, January 18, 9:30 a.m. – 4:30 p.m. and  
Sunday, January 25, 9:30 a.m. – 12:30 p.m.  
Plant Science Lab, Regenstein Center

### Color Mixing

#### ART requirement

Learn to mix accurate, exciting color including the vivid, specific hues of flowers, the bright and subdued greens of leaves, and the deep, subtle colors in shadows. We'll make charts for permanent reference and then apply this knowledge to paint flowers and leaves from live specimens. We will work in watercolor, but exercises apply to all media.

Marlene Hill Donnelly, scientific illustrator, Chicago Botanic Garden and The Field Museum  
\$287 nonmember; members receive 20% discount  
6 Tuesdays, March 3 – April 7, 6 – 9 p.m.  
Design Studio

### Botanical Drawing 2

#### ART requirement

Continue to build your drawing skills with advanced graphite techniques, light and dark media on toned paper, and carbon dust. Prerequisite: Botanical Drawing 1.

Marlene Hill Donnelly, scientific illustrator, Chicago Botanic Garden and The Field Museum  
\$287 nonmember; members receive 20% discount  
6 Saturdays, March 7 – April 11, 9 a.m. – noon  
Design Studio

### Expressive Watercolor

#### ART requirement, expressive track

Explore the fluid beauty of the watercolor medium. Each session will progress to a more controlled "found" finish. There will be a strong emphasis on values and design. Prerequisite: Watercolor 1 or equivalent.

Thomas Trausch, artist, TWSA master status  
\$287 nonmember; members receive 20% discount  
6 Saturdays, March 7 – April 11, 1 – 4 p.m.  
Design Studio

### Colored Pencil Drawing Course

#### ART elective

Start with the fundamentals, then delve into working with dry and wet media of colored pencil. Develop your drawing skills through extensive color exploration of value, intensity, and temperature. Learn dry applications, layering, washes, and color-mixing techniques. Work from real life and nature, not from photographs. Demonstration and explanations are presented at the beginning of each class. Individual guidance and instruction is given to each student. The School's CEUs=1.8

Priscilla Humay, freelance artist, CPSA  
\$287 nonmember; members receive 20% discount  
6 Mondays, May 4 – June 15, 6 – 9 p.m.  
(no class May 25)  
Design Studio

## Photography

Discover the joy of nature and garden photography with the Garden as your studio! Advance your artistic and technical skills in classes and workshops for students of all levels led by outstanding photography professionals.

### Capturing the Holiday Lights

*Evening photography workshop*

December nights are perfect for making the Garden's outdoor holiday lights come alive. Learn how to use your camera to capture these magical displays in this exciting new workshop. We will begin with a review of camera settings and image-framing concepts, then proceed outside to photograph all the festive color in the Heritage Garden, the Esplanade, and the great tree. Back in the studio, we will review and discuss those newly captured images. Learn how to transform your perfect photo into holiday greeting cards. Class limited to digital cameras only. A tripod is very strongly recommended and shutter release will be most helpful.

Jack Carlson, certified professional photographer \$59 nonmember; members receive 20% discount  
For students who are beginners with digital cameras:  
Monday, December 1, 6:30 – 9 p.m.

For intermediate students:  
Monday, December 8, 6:30 – 9 p.m.  
Lakeside Room, Visitor Center

### New! Travel Photography for Garden Lovers

In this day and age, if you have a smartphone, you are never without a camera. If you are a photo enthusiast, you also might carry a digital SLR, as well, for exotic travel destinations. If you are a garden lover, you will find gardens and flowers to photograph anywhere you go. Photographer Linda Oyama Bryan will first teach you to “see” great shots, then help you to learn how to adapt the shots to whatever camera you are using. Attention to lighting and basics of composition are necessary no matter what camera you use. Bring whatever camera you use the most when you travel. Tripods optional.

Linda Oyama Bryan, garden photographer  
\$119 nonmember; members receive 20% discount  
2 Tuesdays, February 24 & March 3, 9 a.m. – noon  
Design Studio

### iPhone Photography

There are hundreds of photography apps available for iPhones, and many of them have similar features. This class will explore some of the better-known apps along with instruction on how to use them for nature photography. We will go over the basics of iPhone photography along with fieldwork for a portion of the class. We will examine the photos taken during class and how they can be enhanced, manipulated, or altered to create a personal statement. iPhones are mandatory.

Tobin Fraley, photographer  
\$119 nonmember; members receive 20% discount  
3 Thursdays, March 19 – April 2, 10 a.m. – noon  
Design Studio

or  
3 Saturdays, March 21 – April 4, 10 a.m. – noon  
Lakeside Room, Visitor Center

## FOCUS ON PHOTOGRAPHY CERTIFICATE OF MERIT PROGRAM

### New! The Digital Workflow Process

*FPC elective*

Develop and practice the workflow process necessary to take images from the camera to the computer and finally to the web or print form. Learn how to set your camera for correct image quality and size. Download files to a computer, reformat your camera's memory card, and use an external drive for backup. You will practice naming your files, adding copyright, and setting up an organized file system. Practice saving images to the cloud. Lastly, we will look at Internet sources for displaying and sharing your photos. This class is designed for beginning students. Both Lightroom and Photoshop will be included in the discussion. The School's CEUs=8 hours

Dianne Kittle, fine art photographer  
\$149 nonmember; members receive 20% discount  
2 Mondays, December 1 & 8, 9 a.m. – 1 p.m.  
Lakeside Room, Visitor Center

### New! Photography Tools & Techniques: Selecting and Using the Proper Lens

*FPC elective*

During this seminar, students will learn the differences among focal lengths of lenses and how to select the appropriate lens for each particular subject. Other topics include matching the lens to the light level, depth of field, and how to obtain maximum image sharpness, as well as using the hyperfocal length setting with manual focus. The Schools CEUs= 3 hours

Jack Carlson, certified professional photographer  
\$59 nonmember; members receive 20% discount  
Saturday, December 6, 1:30 – 4:30 p.m.  
Lakeside Room, Visitor Center

### Beginning Digital Photography

*FPC requirement*

This course will help beginners and enthusiasts grasp the techniques and principles of photography. Participants will explore the basics of photography, including image composition rules, how the camera works, proper exposure, and the functions of lens aperture and shutter speed. Some minimal photo processing will also be covered. Course requires a digital SLR camera. No previous experience is required.

Jack Carlson, certified professional photographer  
\$225 nonmember; members receive 20% discount  
4 Saturdays, January 10 – February 7, 9 a.m. – noon  
(no class January 24)  
Plant Science Lab, Regenstein Center

### New! Winter Sunrise Scenes

*FPC elective*

While sunrise offers a dramatic photo opportunity, winter sunrise combined with snow and early morning light presents particular photographic challenges. Learn how to compose and meter for these unique light levels. The Schools CEUs=6 hours

Jack Carlson, certified professional photographer  
\$59 nonmember; members receive 20% discount  
2 Sundays, January 11 & 18, 6 – 9 a.m.  
Design Studio

### Photoshop I

*FPC requirement option*

The Chicago Botanic Garden is a spectacular place to take photographs. Make your photographs even better with Adobe Photoshop Elements—a user-friendly photo editor that uses the same concepts as the full version of Photoshop. Learn how to make your images better through the use of selection tools, layers, and smart brushes. Play with some artistic options that can inspire abstractions. Requirements for the course are a laptop computer with Adobe Photoshop Elements or Adobe Photoshop CS5 installed and a digital camera.

Iris Allen, freelance photographer and instructor  
\$187 nonmember; members receive 20% discount  
4 Mondays, January 12 – February 9, 1 – 3:30 p.m.  
(no class January 19)  
Design Studio

### Abstracts in Nature—Winter

*FPC elective*

In this advanced class, students will focus on winter abstracts, including water changes, to create fine art photographs. We will capture the Garden as the freeze of winter encroaches on the landscape. Students will learn the program Blurb to design a photography book for presentation of their winter portfolio. Class will include lecture, critique, water photography demonstrations, and practice time in the Garden. The School's CEUs=12 hours

Dianne Kittle, fine art photographer  
\$212 nonmember; members receive 20% discount  
6 Tuesdays, January 13 – February 17, 10 a.m. – noon  
Design Studio

### New! Creative Video Photography

*FPC fundamental course, fine art track*

This intermediate-level class will be spent applying photographic techniques to create a portfolio of short video clips using your digital SLR or smartphone. You will use Adobe Lightroom to create videos that capture your memories. Class will include lecture, critique, and practice time in the Garden. Digital SLR camera and tripod required. Proficiency with aperture and shutter speed is required. The School's CEUs=12 hours

Dianne Kittle, fine art photographer  
\$212 nonmember; members receive 20% discount  
6 Tuesdays, January 13 – February 17,  
1:30 – 3:30 p.m.  
Design Studio

## Lighting Techniques

*FPC elective*

This introduction to artificial lighting includes both manipulating light from continuous sources (hot lights) and working with flash and strobe. Through technical exercises and demonstrations, this class will explore a variety of lighting strategies for still life, botanical arrangements, and portraits. The class will cover on-camera flash techniques, capturing motion with flash, off-camera syncing, light painting, and more. The School's CEUs=15 hours

Robin Carlson, staff photographer,  
Chicago Botanic Garden  
\$260 nonmember; members receive 20% discount  
6 Tuesdays, January 20 – February 24, 6:30 – 9 p.m.  
Annex 2

## Intermediate Digital Photography

*FPC elective*

Having learned the basics of digital photography in the introductory course, students are ready to move on to more artistic endeavors. Seeing, thinking, and acting are the next steps in learning to identify, then capture, an impressive image. Students will use lead lines, selective manual focus, and appropriate aperture settings to enhance their photos. Prerequisite: Beginning Digital Photography or the consent of the instructor. The Schools CEUs=12 hours

Jack Carlson, certified professional photographer  
\$225 nonmember; members receive 20% discount  
4 Saturdays, February 14 – March 7, 9 a.m. – noon  
Plant Science Lab, Regenstein Center

## Winter Photography

*FPC elective*

Winter is one of the best times to photograph gardens and nature. Learning to see the “bones” of a garden will improve your photographic skills in any season. Learn about exposure, lighting, and adjustments for color, as well as composition. A tripod is recommended. Dress for the weather. The School's CEUs=12 hours

Jack Carlson, certified professional photographer  
\$225 nonmember; members receive 20% discount  
4 Wednesdays, February 18 – March 11, 9 a.m. – noon  
Design Studio

## Photographing Orchids

*FPC elective*

In conjunction with the Orchid Show, photographer Linda Oyama Bryan offers a close-up flower photography class. Learn techniques for macro photography, including tips on focus, lighting, background, and composition. Class includes hands-on shooting sessions at the show before hours, after which we will critique each other's images, a tripod is highly recommended. If you use a DSLR, bring a flash if you have one. The School's CEUs=10.5 hours

Linda Oyama Bryan, garden photographer  
\$199 nonmember; members receive 20% discount  
3 Thursdays, February 19 – March 5, 8 – 11:30 a.m.  
Design Studio



## Photography

The Garden is your studio

## New! Photography Tools & Techniques: Composition

*FPC elective*

During this seminar, students will learn image placement and how lead lines enter into the composition of an image. Learn how these techniques can be used singly or in combination to create a balanced photograph. The Schools CEUs=3 hours

Jack Carlson, certified professional photographer  
\$59 nonmember; members receive 20% discount  
Saturday, February 21, 1:30 – 4:30 p.m.  
Plant Science Lab, Regenstein Center

## Photoshop 2

*FPC elective*

Take the next step and learn even more about Adobe Photoshop. This more advanced class will further your knowledge of selections and layers, allowing you to do some serious photo enhancement and manipulation. We will tackle some interesting projects such as black and white with color accents, old photo restoration, and abstract art creation. Requirements for the course are a laptop computer with Adobe Photoshop Elements or Adobe Photoshop CS5 installed and a digital camera. Prerequisite: Photoshop 1, or approval of instructor. The School's CEUs=10 hours

Iris Allen, freelance photographer and instructor  
\$187 nonmember; members receive 20% discount  
4 Mondays, February 23 – March 16, 1 – 3:30 p.m.  
Design Studio

## Intermediate Photography Portfolio Workshop

*FPC requirement, fine art track*

The Garden will serve as a natural laboratory as we explore a variety of photographic techniques to take you from an ordinary snapshot to botanic art. Heavy emphasis will be put on finding your own artistic style while advancing your photographic skill set and beginning to create your own botanic art portfolio. This course is designed for intermediate photographers. You will walk away with your own set of professionally produced images. Digital SLR cameras are mandatory.

Dianne Kittle, fine art photographer  
\$374 nonmember; members receive 20% discount  
8 Mondays, March 2 – April 20, 6:30 – 9 p.m.  
Design Studio

## Photoshop 3

*FPC elective*

Take your Photoshop skills to the next level and learn some more exciting editing techniques. This class is project-oriented, learning black and white with color accents, HDR, panorama, and people extraction. There will also be more digital photography tips. Requirements for the course are a laptop computer with Adobe Photoshop Elements or Adobe Photoshop CS5 installed and a digital camera. Prerequisite: Photoshop 1 & 2, or approval of instructor. The School's CEUs=10 hours

Iris Allen, freelance photographer and instructor  
\$187 nonmember; members receive 20% discount  
4 Mondays, March 23 – April 13, 1 – 3:30 p.m.  
Design Studio

## Macro Photography in the Greenhouse

*FPC elective*

Get away from the winter blues and come explore the Greenhouse. This class will introduce you to a world of detail often not noticed. The succulents, tropical blooms, and Greenhouse color will serve as our natural laboratory. Each class will consist of learning new macro techniques followed by trips into the Greenhouses to practice new skills and artistic elements. Designed for intermediate photographers comfortable with basic photography techniques. Digital SLR, macro lens, and tripod required. The School's CEUs=12.5 hours

Tobin Fraley, photographer  
\$225 nonmember; members receive 20% discount  
5 Tuesdays, March 24 – April 28, 9:30 a.m. – noon  
(no class April 14)  
Design Studio

## Wellness

Discover the many possibilities offered at the Chicago Botanic Garden for nurturing and healing the body, mind, and spirit.

### New! Natural Home and Beauty Products Workshop

Are you concerned about the ingredients in your home and beauty products? Making your own products can be simple and fun! In this class, you will learn about the benefits of using quality essential oils in your everyday life. Together we will make five products, such as bath salts, hand sanitizer spray, body scrub, breath spray, after-shave, vapor rub, etc. You will be able to take your homemade products home as well as take home some small sample materials to make more! These will make perfect holiday gifts as well!

Tamara Mannelly, M.Ed., H.H.C., certified healing foods specialist and holistic health coach  
\$59 nonmember; members receive 20% discount  
Thursday, December 11, 10 a.m. – noon  
Plant Science Lab, Regenstein Center

### Transitioning to a Real Food Lifestyle

Are you trying to transition your family from the standard American diet, which is heavily processed and full of refined sugars, flours, trans-fats, artificial colors, flavors, and other chemicals to more natural and real foods? Learn how to read ingredient labels on packaged foods and identify additives, chemicals, preservatives, and fillers. We will talk about how to add more quality, nutrient-dense whole foods to your diet like fruits, vegetables, whole grains, and legumes, and how to source quality animal products. You will take home session notes and a list of tips and recipes.

Tamara Mannelly, M.Ed., H.H.C., certified healing foods specialist and holistic health coach  
\$29 nonmember; members receive 20% discount  
Tuesday, January 13, 10 – 11:30 a.m.  
Plant Science Lab, Regenstein Center

### Fast Ferments

Fermentation is an ancient form of food preservation full of enzymes and probiotics, which can help your digestion and health. Examples of common fermented foods are yogurts, kombucha tea, sauerkraut, kimchi, and real pickles. Learn the health benefits of adding fermented foods to your diet with these simple, tasty treats. Recipes demonstrated include fermented versions of delicious foods such as mixed berries, lemonade, orange juice, pineapple salsa, carrots and sour cream. Class will include session notes, recipes, and tips and tricks to get your family on board with eating fermented foods. Optional take-home fermentation beginner's kit includes two wide-mouth, pint-size jars, one food funnel, two packets of starter, and three glass weights.

Tamara Mannelly, M.Ed., H.H.C., certified healing foods specialist and holistic health coach  
\$49 nonmember; members receive 20% discount  
Thursday, January 15, 10 a.m. – noon  
Plant Science Lab, Regenstein Center  
\*Optional Fermentation Beginner's Kit \$20

### New! Traditional Healing Bone Broth

Ever hear the phrase “chicken soup cures all”? Well, that didn't arise from store-bought chicken soup! It came from chicken soup made with a chicken and the bones. All traditional cultures made use of bones, usually in a nutritious bone broth. Sadly, the use of homemade meat broths to produce nourishing and flavorful soups and sauces has almost completely disappeared from the American culinary tradition. This class will teach you the many benefits of bone broth and how you can easily make it in your own home. The benefits include cost savings, digestibility, promotion of healing, and the many minerals and collagen. It also tastes great! Don't be thrown off by the term bone broth. This is just making soup using real ingredients. Each participant will take home a pint of frozen broth.

Tamara Mannelly, M.Ed., H.H.C., certified healing foods specialist and holistic health coach  
\$19 nonmember; members receive 20% discount  
Thursday, January 15, 1 – 2 p.m.  
Plant Science Lab, Regenstein Center

### Winter Meditation Walk

In winter, the Garden is dormant and quiet. If there is snow, it can be beautiful and hushed. Walk and clear your mind in the cold, crisp air. We will meditate while we walk, striving to stay in the present moment in order to practice going with the flow of life, with its ups and downs. This meditation will begin at the Visitor Center and be led by Mary Ann Spina. Men and women are welcome.

Mary Ann Spina, teacher, writer, and counselor  
\$25 nonmember; members receive 20% discount  
Saturday, January 24, 8 – 10 a.m.  
Meet at the Visitor Center

### New! Healing Blends, Balms, Potions, and Butters: An African Healer's Medicine Kit

When enslaved Africans were brought to the Americas and Caribbean, they transported a rich stockpile of plant wisdom with them. As people of African descent continue to settle in the United States, our understanding and use of herbs from Africa, and their unique healing techniques, continue to expand. In this workshop, you will make beauty balms and butters for the hair, skin, and nails; teas that are systemic body strengtheners and immunity builders; potions, baths, and brews to lift your spirits; an enchanting incense blend to soothe your mind and spirit, and an alluring island aphrodisiac. Be prepared to use some elbow grease and roll up your sleeves.

Stephanie Rose Bird, B.F.A., M.F.A., author, herbalist, and aromatherapist  
\$124 nonmember; members receive 20% discount  
Saturday, February 7, 10 a.m. – 4 p.m.  
Linnaeus Room

### Meditation on the Orchid

To experience the true beauty of nature and the power of meditation, join us at the Orchid Show for an exclusive exploration and contemplative experience before the show opens to the public for the day. The orchid is beautiful and complex, a wonderful expression of nature's creative force. Its shape, its color, and its aroma reflect aspects of our own experience of life. As we contemplate the life cycle of the orchid, we see how our own lives evolve. As we observe the beauty of the orchid, we are inspired to see the abundant beauty in our lives. Join us as we connect to the orchid through gentle movement, breathing exercises, and meditative contemplation. All are welcome. Please bring a yoga mat.

Steve Nakon, director, Whole Journey Northwest Yoga  
\$19 nonmember; members receive 20% discount  
Wednesday, February 18, 8 – 9 a.m.  
Nichols Hall, Regenstein Center

### New! Allergy 101: Peanut Free, Gluten Free, Dairy Free—Oh My!

*How to navigate more easily through the world of food allergies.*

Food allergies are becoming more and more prevalent. Almost daily it seems we hear of another friend, coworker, or classmate who can't eat something. If you or a loved one have been diagnosed with a food sensitivity or life-threatening food allergy, it can be very overwhelming to figure out how to start. This workshop will help you understand the various allergies, offer healthy alternatives for common foods, and figure out safe foods for social occasions like birthday parties, team snacks, and classroom treats. This class is taught by a certified holistic health coach who lives in a household full of food allergies!

Kristyn Moore, holistic health coach  
\$19 nonmember; members receive 20% discount  
Tuesday, March 10, 10 – 11 a.m.  
Lakeside Room, Visitor Center

### New! Allergy 102: Taking Food Allergies on the Road!

*How to travel with ease and send your children to camp with confidence!*

If the question “will I be able to eat anything while I am away from home?” sounds familiar, this is the class for you! “How can I eat out at restaurants with confidence?” “Will my children be able to enjoy their camp experience safely?” “Where/how can I find foods on the road that I am used to?” All of these questions and more will be answered in this informative class about food allergies on the go! You will learn practical steps to take and implement to ensure an enjoyable trip. This class is taught by a certified holistic health coach who lives in a household full of food allergies! Don't let the food allergies hold you back...bon voyage!!

Kristyn Moore, holistic health coach  
\$19 nonmember; members receive 20% discount  
Tuesday, March 10, 11:30 a.m. – 12:30 p.m.  
Lakeside Room, Visitor Center

### New! Curious About Detoxing?

This course will teach you how to detox in a holistic way for improved health, clarity, and strength. Elyse Wagner, a holistic nutritionist and positive psychology professional, will provide an action plan for detoxing on a daily basis. Wagner will provide resources and actionable tools to create a delicious relationship with your food, body, and attitude. Class registration includes a detox smoothie sample as well as a signed copy of Elyse's book, *Smoothie Secrets Revealed: A Guide to Enhance Your Health*.

Elyse Wagner, M.S., kitchen shrink: nutrition and positive psychology coach  
 \$65 nonmember; members receive 20% discount  
**Wednesday, March 18, 7 – 8:30 p.m.**  
 Plant Science Lab, Regenstein Center

### Meditation Walk: The Cycles of Life

What better way to enjoy the seasonal weather and nourish your spirit at the same time than an early morning meditation walk at the Chicago Botanic Garden! Come prepared to relax and renew as we slowly walk around the Great Basin, making four stops for guided meditation. The four life-cycle images we will focus on are creation/birth, growth, pain and loss, and new life. Each image will be linked to our own life experiences, and you will have private time to contemplate, journal, wander, and breathe. This event will take place rain or shine as we can utilize covered spaces if needed.

Mary Ann Spina, teacher, writer, and counselor  
 \$25 nonmember; members receive 20% discount  
**Saturday, May 3, 8 – 10 a.m.**  
 Meet at Visitor Center

### FITNESS WALKS

Maximize the benefits of walking for exercise by learning about proper posture, muscle strengthening, and stretching. The Chicago Botanic Garden's outdoor environment is a unique alternative to a health club, offering fresh air and a place where beautiful scenery changes weekly. All fitness levels are accommodated. Dress for the weather; wear comfortable clothing and walking shoes. The incremental multisession pass allows the walker to choose which sessions to attend during the season.

Esther Gutiérrez-Sloan, certified personal trainer and president, SALSArobits, Inc.

# of Sessions	Nonmember Fee (members receive 20% discount)
4 Sessions	\$63 nonmember
8 Sessions	\$119 nonmember
12 Sessions	\$166 nonmember
Drop-in Rate	\$15

**Saturdays, April 11 – November 14, 8 – 9 a.m.**  
 Meet at Visitor Center

### TAI CHI CLASSES

**Tai chi's fluid movements make the Chicago Botanic Garden an ideal location for classes. People of all ages and physical conditions can learn these movements. Tai chi is best practiced in loose clothing and stocking feet or comfortable flat shoes. On occasion, when weather permits, class will occur outdoors in one of the beautiful areas of the Garden. One-time class trial fee: \$20.**

#### Tai Chi For Beginners: Sun-Style

This course will introduce students to Sun-style tai chi chuan with a few Yang-style concepts as well. Sun-style is the most modern form of tai chi and the movements are very gentle in nature. We will focus on basic principles to improve your balance and relaxation, and also increase your range of motion and reduce stress. This class of gentle movements is recommended for beginners and provides you with a solid foundation for choosing future studies. No previous tai chi experience is required, and all are welcome.

Gordon Lock, instructor  
 \$187 nonmember; members receive 20% discount  
**Spring Semester:**  
**10 Tuesdays, March 10 – May 19, 8 – 9 a.m.**  
 (no class April 14)  
 Burnstein Hall

#### Tai Chi For Beginners: Yang-Style

This course will introduce students to Yang-style tai chi chuan with a few Sun-style concepts as well. Tai chi from the Yang family is a beautiful, slow-moving meditation in motion. We will focus on basic principles to improve your balance and relaxation, and also increase your range of motion and reduce stress. This class of gentle movements is recommended for beginners and provides you with a solid foundation for choosing future studies. No previous tai chi experience is required, and all are welcome.

Gordon Lock, instructor  
 \$187 nonmember; members receive 20% discount  
**Spring Semester:**  
**10 Tuesdays, March 10 – May 19, 9:15 – 10:15 a.m.**  
 (no class April 14)  
 Burnstein Hall

#### Tai Chi: Intermediate Sun-Style

Further your study of the Sun form of tai chi. Consistent practice of tai chi helps us to relax from the fast pace of multitasking and recognize the moment at hand. The movements help to reconnect us to mind-body awareness and restore harmony and balance into our daily routines. Tai Chi for Beginners or some tai chi experience is recommended.

Gordon Lock, instructor  
 Winter Mini-Semester:  
 \$94 nonmember; members receive 20% discount  
**5 Wednesdays, January 21 – February 18, 8 – 9 a.m.**  
 or  
 Spring Semester:  
 \$187 nonmember; members receive 20% discount  
**10 Wednesdays, March 11 – May 20, 8 – 9 a.m.**  
 (no class April 15)  
 Burnstein Hall

#### Tai Chi: Advanced Yang-Style

This course continues with in-depth study of the Yang-style for students who have completed the intermediate class level and feel comfortable advancing. Some qigong exercises, such as the Eight Pieces of Brocade, will also be practiced. In session we will emphasize the ABCs—alignment, breathing, and concentration.

Gordon Lock, instructor  
 Winter Mini-Semester:  
 \$94 nonmember; members receive 20% discount  
**5 Wednesdays, January 21 – February 18, 9:15 – 10:15 a.m.**  
 or  
 Spring Semester:  
 \$187 nonmember; members receive 20% discount  
**10 Wednesdays, March 11 – May 20, 9:15 – 10:15 a.m.**  
 (no class April 15)  
 Burnstein Hall

#### Tai Chi: Advanced Sun-Style

This course continues with in-depth study of the Sun-style for students who have completed the intermediate class level and feel comfortable advancing. Some qigong exercises, such as the Eight Pieces of Brocade, will also be practiced. In session we will emphasize the ABCs—alignment, breathing, and concentration.

Gordon Lock, instructor  
 Winter Mini-Semester:  
 \$94 nonmember; members receive 20% discount  
**5 Thursdays, January 22 – February 19, 8 – 9 a.m.**  
 or  
 Spring Semester:  
 \$187 nonmember; members receive 20% discount  
**10 Thursdays, March 12 – May 21, 8 – 9 a.m.**  
 (no class April 16)  
 Burnstein Hall

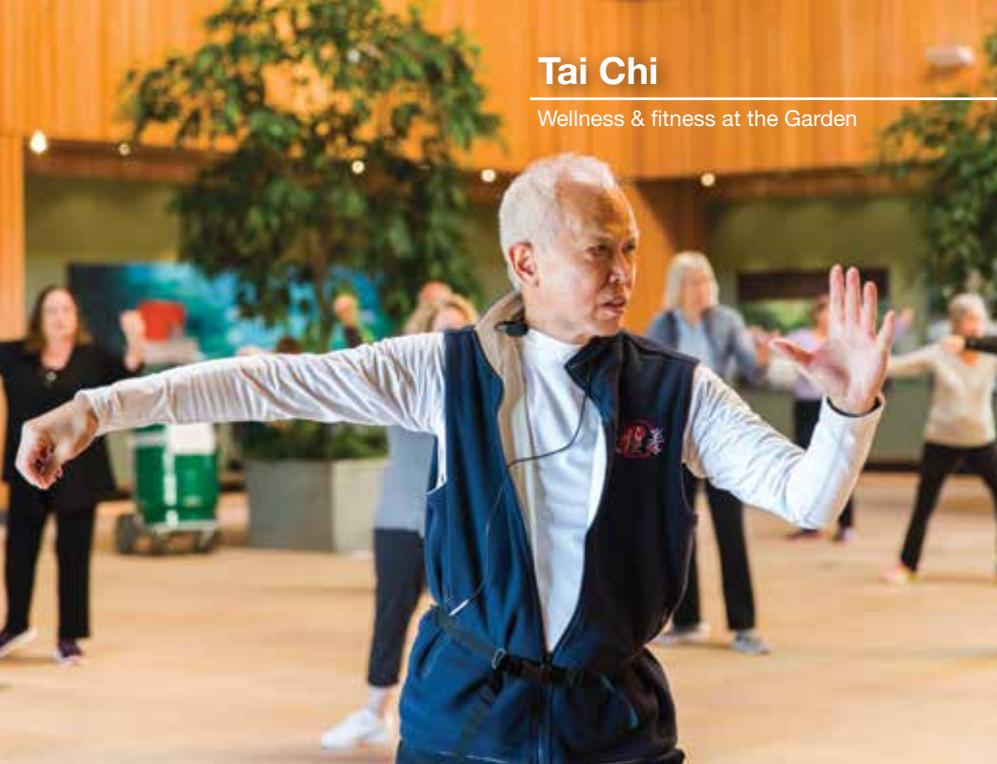
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Gordon Lock, instructor  
 Winter Mini-Semester:  
 \$94 nonmember; members receive 20% discount  
**5 Thursdays, January 22 – February 19, 9:15 – 10:15 a.m.**  
 or  
 Spring Semester:  
 \$187 nonmember; members receive 20% discount  
**10 Thursdays, March 12 – May 21, 9:15 – 10:15 a.m.**  
 (no class April 16)  
 Burnstein Hall

## Tai Chi

Wellness & fitness at the Garden



### YOGA CLASSES

**Yoga is an ancient practice that unites body, mind, and spirit. For all sessions, wear comfortable clothing (sweats, shorts, or yoga pants) with socks or bare feet. Yoga mats are required. It is also suggested that you bring a towel with you, as well as a sweatshirt for cool-down. All yoga classes last approximately 60 minutes. If your class is scheduled to occur on a holiday date you observe, please speak with the instructor regarding attending a make-up class. One-time class trial fee: \$20.**

#### Yoga Master Class

This class is designed for the student who is looking for a deeper understanding of the principles of movement and alignment. Join us for engaging practices in a welcoming, accepting, and encouraging environment. Be ready to explore your whole body through carefully designed sequences, gaining understanding of movement in more depth and detail. Don't miss the opportunity to emerge from this experience with a new knowledge set, a deeper understanding of your practice, and a stronger relationship with your essential self. Class size is limited so sign up soon.

Steve Nakon, Whole Journey  
\$125 nonmember; members receive 20% discount  
Winter session:  
5 Fridays, February 20 – March 20, 9 – 10:30 a.m.  
Linnaeus Room  
or  
Spring session:  
5 Fridays, May 22 – June 19, 9 – 10:30 a.m.  
Linnaeus Room

#### Gentle Yoga

A series of yoga poses and breathing exercises designed and adapted for a tranquil, relaxing yoga experience. In this course, we will take a gentle, restorative approach to the practice. All students are welcome. Come and enjoy a sense of peace and balance.

Steve Nakon and Patricia Nakon, Whole Journey  
\$187 nonmember; members receive 20% discount  
Winter session:  
10 Mondays, January 12 – March 16, 9 – 10 a.m.  
or 5:30 – 6:30 p.m.  
Linnaeus Room  
or  
Spring session:  
10 Mondays, April 6 – June 15, 9 – 10 a.m.  
or 5:30 – 6:30 p.m.  
(no class April 13)  
Linnaeus Room

#### Introductory Yoga

This is a course for the newer student focusing on yoga movement and breathing basics. We will investigate how the principles of yoga help support health and well-being. All are welcome. Join us as we explore the yoga basics.

Steve Nakon, Whole Journey  
\$187 nonmember; members receive 20% discount  
Winter session:  
10 Wednesdays, January 14 – March 18,  
5:30 – 6:30 p.m. or 7 – 8 p.m.  
Linnaeus Room  
or  
Spring session:  
10 Wednesdays, April 8 – June 17,  
5:30 – 6:30 p.m. or 7 – 8 p.m.  
(no class April 15)  
Linnaeus Room

#### Yoga Flow Beginner

The Yoga Flow series combines movement linked to the breath, working the body and engaging the mind. This is a moderately challenging course for students with some yoga experience.

Steve Nakon, Whole Journey  
\$187 nonmember; members receive 20% discount  
Winter session:  
10 Tuesdays, January 13 – March 17,  
9:30 – 10:30 a.m. or 6 – 7 p.m.  
Linnaeus Room  
or  
Spring session:  
10 Tuesdays, April 7 – June 16,  
9:30 – 10:30 a.m.  
or 6 – 7 p.m.  
(no class April 14)  
Linnaeus Room

#### Yoga Flow Intermediate

The Yoga Flow series combines movement linked to the breath, working the body and engaging the mind. This is a more exhilarating, challenging Flow series for students who have taken Beginner Flow or have comparable experience.

Steve Nakon, Whole Journey  
\$187 nonmember; members receive 20% discount  
Winter session:  
10 Tuesdays, January 13 – March 17, 8 – 9 a.m.  
or  
10 Thursdays, January 15 – March 19, 9 – 10 a.m.  
or 6 – 7 p.m.  
Linnaeus Room  
or  
Spring session:  
10 Tuesdays, April 7 – June 16, 8 – 9 a.m.  
(no class April 14)  
or  
10 Thursdays, April 9 – June 18, 9 – 10 a.m.  
or 6 – 7 p.m.  
(no class April 16)  
Linnaeus Room

#### Gentle Yoga and Meditation

All levels of fitness and experience are welcome in this class, which will include meditative movement and contemplative stillness. We will focus on the breath and relieving stress.

Steve Nakon, Whole Journey  
\$187 nonmember; members receive 20% discount  
Winter session:  
10 Wednesdays, January 14 – March 18,  
9:30 – 10:30 a.m.  
Linnaeus Room  
or  
Spring session:  
10 Wednesdays, April 8 – June 17, 9:30 – 10:30 a.m.  
(no class April 15)  
Linnaeus Room

Wellness programming is generously supported by NorthShore University HealthSystem.



# Youth and Family Programs

Early positive experiences in nature or other plant-rich environments can foster a lifelong appreciation of the natural world. That is why, with the support of the Guild of the Chicago Botanic Garden, we are deeply committed to engaging families and children of all ages with a year-round schedule of professionally designed, age-appropriate programs held throughout the Garden.

## Camp CBG: The Best Days

“When asked how she liked her first day of Bug Brigade, my daughter said, ‘It was the best day of my life!’”

– Camp CBG parent

It will be summertime again... sooner than you think! Be sure to make Camp CBG a part of it. Campers explore the natural world through creative and fun-filled activities led by the most caring and qualified instructors around. There’s something for everyone—campers who are still in strollers, all the way up through middle school: bug lovers, treasure hunters, plant-o-philes, wizards, foodies, adventurers, and more! Flexible options include morning sessions, afternoons, full day, one week, or several weeks. If you are a returning camp family, you know sessions fill quickly. Registration begins Monday, December 8. Sign up at [chicagobotanic.org/camp](http://chicagobotanic.org/camp) while space is available for our most popular programs.

*Garden Plus members receive a 20 percent discount! Visit [chicagobotanic.org/membership](http://chicagobotanic.org/membership) to become a Garden Plus member today.*



# Family Programs

## Free Programs

### Discovery Backpacks

Enliven your family's Garden visit using tools to identify and observe plants and animals. Check out one of our free Backpacks, available on a first-come, first-served basis at the Information Desk in the Visitor Center.

### Story Time

Stop by the Lenhardt Library on Monday mornings for nature-themed stories and hands-on activities. Geared toward children ages 2 to 5 with a caregiver. No program April 20.

**Mondays, January 12 – May 18**  
10 – 11 a.m.

Visit [chicagobotanic.org/forfamilies](http://chicagobotanic.org/forfamilies) for more information.

## Fee-based Programs

### Little Diggers

Learn about flowers, discover animals, experience the changing seasons, and more! These four-class series for children ages 2 to 4 and caregivers meet mornings, once a month. Each program includes group activities, time for free play, and a planting project. Select Thursday, Friday, or Saturday mornings, January through April.

9:30 – 10:30 a.m.

**\$75 nonmember per child**  
**Garden Plus members receive a 20 percent discount**

**Thursdays:** 1/15, 2/12, 3/12, 4/9

**Fridays:** 1/16, 2/13, 3/13, 4/10

**Saturdays:** 1/17, 2/14, 3/14, 4/11

Visit [chicagobotanic.org/littlediggers](http://chicagobotanic.org/littlediggers) to register or call (847) 835-6801 for more information.

### Birthday Parties

Celebrate your child's birthday with a garden-themed party! Choose from a variety of topics. All parties include educational, hands-on activities led by Garden staff. Every child takes home a plant plus additional items they've created. Parties can be scheduled year-round on Saturday or Sunday mornings or afternoons for children turning 4 and up. Garden Plus membership required.

Visit [chicagobotanic.org/birthdays](http://chicagobotanic.org/birthdays) or call (847) 835-8275 for more information.

### Weekend Family Classes

Together, adults and children ages 4 – 10 can explore cool things about how plants connect to science, art, history, and culture. Each Saturday or Sunday program includes a variety of hands-on activities and projects, as well as opportunities to bring the Garden home.

9:30 – 11 a.m. or 1 – 2:30 p.m.

**\$22 nonmember per child**  
**Garden Plus members receive a 20 percent discount**

#### Three Sisters

**Saturday, October 18**

Hear the story of the Three Sisters (corn, bean, and squash), create a delicious dried bean soup jar to enjoy at home, and investigate why popcorn pops. Then taste the results!

#### Pizza Gardens

**Saturday, November 1**

Sample some of the different plants used to flavor pizza, learn to mix and knead pizza dough, and plant a special Italian herb garden to make tasty pizza treats at home!

#### Play with Plants

**Sunday, November 16**

Design toys from all different kinds of plant parts! Explore seeds and use them to make an ancient board game, and examine leaves from corn and turn them into people or animals.

#### Joyful Gingerbread

**Sunday, December 7, or Saturday, December 20**

Explore all the different plants and plant parts needed to make gingerbread. Take home a future ginger plant, decorate cookies, and mix up a batch of gingerbread to bake at home.

### Hot Chocolate

**Saturday, January 10, or Sunday, January 18**

Uncover the story of chili and chocolate—products that come from South American plants! Examine parts of the cacao tree, learn how bitter beans make delicious desserts, and mix up several different kinds of historic chocolate drinks, even an ancient Aztec version. Take home a chocolate mint and an ornamental pepper to concoct your own creations.

### New! Winter Explorers

**Saturday, January 31**

Plants and animals can survive outside, even in the cold winter. Explore how evergreens thrive in the cold, search for animal tracks and make a snow catcher to use at home. Dress for the weather; we will be spending time outside!

### Papermaking with Plants

**Sunday, February 8**

Plants help make products we use every day—like paper. Learn the process of turning plants and old paper scraps into paper. Make sheets of textured, scented, and colored handmade paper.

### Homemade Ice Cream

**Saturday, February 21, or Sunday, March 1**

Get an up-close look at one of the world's tiniest seeds from the vanilla orchid, make a batch of ice cream, and pot up a plant that can flavor ice cream. Limit of two children per adult.

### Gumballs & Superballs

**Saturday, March 21, or Sunday, April 12**

Find out how people use parts of rain forest trees to make chewing gum and rubber. Create your own bouncing ball and flavorful gum to take home.

Visit [chicagobotanic.org/familyprograms](http://chicagobotanic.org/familyprograms) or call (847) 835-6801 for more information.

*Children and adults explore together in Weekend Family Classes.*



## Youth Programs

### Scouts

#### Scout Badge Programs

Scouts will complete badge requirements with challenging activities. Our wide range of scout programs take children throughout the Garden, and can be scheduled after school on Mondays through Fridays and on Saturdays between 9 a.m. and 3 p.m.

**90-minute programs (ages 6–8):**

**Deposit of \$120 covers 10 Scouts; plus \$10 per additional Scout, due on the day of the program.**

**2-hour programs (ages 9–12):**

**Deposit of \$170 covers 10 Scouts; plus \$15 per additional Scout, due on the day of the program.**

Visit [chicagobotanic.org/scout](http://chicagobotanic.org/scout) or call (847) 835-8239 for more information about these programs.

#### Scout Seasonal Workshop: Winter Wonders

Scouts can discover the magic of nature in winter through hands-on activities that combine art and science. Participants will take a winter wildlife hike through the Garden, and will make a fragrant evergreen swag and a beeswax candle. Please dress for the weather.

Adults should plan to stay with their Scouts for the duration of the program. If you are a leader registering a group, at least one adult chaperone for every five Scouts is required.

**Saturday, December 13**

**12:45 – 3 p.m.**

**\$14 per child**

Visit [chicagobotanic.org/scout/seasonal](http://chicagobotanic.org/scout/seasonal) or call (847) 835-6801 for more information.

#### Scout Seasonal Workshop: Valentine's Day

Join fellow Scouts to celebrate Valentine's Day. Scouts will create recycled Valentines, make their own paper, visit the Orchid Show and discover that plants are necessary to make everyone's favorite sweets.

Adults should plan to stay with their Scouts for the duration of the program. At least one adult chaperone for every five Scouts is required.

**Saturday, February 14**

**12:45 – 3 p.m.**

**\$14 per child**

Visit [chicagobotanic.org/scout/seasonal](http://chicagobotanic.org/scout/seasonal) or call (847) 835-6801 for more information.

*Children enjoy hands-on fun in programs and camps at the Garden.*

## Camps

### Winter Break Camp

Children in grades K–5 can engage in exciting hands-on indoor and outdoor activities while discovering the Garden in winter. They'll investigate weather, explore seasonal adaptations of plants and animals, enjoy a visit to our Wonderland Express holiday exhibition (December 29), and dabble in art.

**December 22, 23, 26, 29, 30, and January 2**

**9:30 a.m. – 3 p.m.**

**\$72 nonmember per child per day  
Garden Plus members receive a 20 percent discount**

**December 22: Winter Weather & Animals**

**December 23: A Visit to Japan**

**December 26: Everything Snow!**

**December 29: All Aboard the Wonderland Express**

**December 30: All about Art**

**January 2: Plant Packages**

Visit [chicagobotanic.org/winterbreakcamp](http://chicagobotanic.org/winterbreakcamp) to register or call (847) 835-6801 for more information.

### School Day-off Camps

Your child might have a day off of school, but it is a day "on" at the Garden! Children in grades K–3 will participate in high-quality learning activities with experienced teachers who use inquiry-based, hands-on activities. Programming connects nature to a range of themes including art, cuisine, and conservation.

**October 13, 2014**

**January 19, 2015**

**April 6, 2015**

**9:30 a.m. – 3 p.m.**

**\$72 nonmember per child per day  
Garden Plus members receive a 20 percent discount**

Visit [chicagobotanic.org/dayoffcamp](http://chicagobotanic.org/dayoffcamp) to register or call (847) 835-6801 for more information.



### Spring Break Camp

Children in grades K–5 will participate in high-quality learning activities with experienced teachers who use inquiry-based, hands-on activities. Programming connects nature to a range of themes including art, cuisine, and conservation. This spring, children will dissect and plant seeds, explore fragrant herbs and flowers, search for birds and early spring plants on nature hikes, take a trolley ride around the Garden, create take-home science-themed projects, and much more!

**March 30 – April 3, 2015**

**9:30 a.m. – 3 p.m.**

**\$72 nonmember per child per day  
Garden Plus members receive a 20 percent discount**

**March 30: Seeds**

**March 31: Signs of Spring**

**April 1: A Visit to the Woods**

**April 2: Greenhouses and Gardens**

**April 3: Bugs and Bubbles**

Visit [chicagobotanic.org/springbreakcamp](http://chicagobotanic.org/springbreakcamp) to register or call (847) 835-6801 for more information.





# Camp CBG

Camp CBG provides exciting and enriching learning experiences for your child, with programs for children ages 6 month to 15 years. All camps include nature exploration, inquiry-based activities, games, hands-on projects, and planting. The Garden offers weeklong morning, afternoon, and all-day camps from June to August.

Complete class descriptions, fees, and schedule with dates and times will be available at [chicagobotanic.org/camp](http://chicagobotanic.org/camp) in early November.

Online registration will be available at [chicagobotanic.org/camp](http://chicagobotanic.org/camp) on December 8, 2014, at 9 a.m.

## My First Camps

Would you like to spend some time learning, exploring, and bonding with your child in an engaging environment? Welcome to My First Camp! Each camp is offered two different weeks each summer. Choose a 9 or 10:30 a.m. camp to attend with your child.

### Bloomin' Garden Strollers

**Ages 6 months – 2 years**

**\$25 nonmember per child per week**

**9:45 – 11:15 a.m. Friday**

Caregivers are invited to join our new social play program. You'll enjoy a brisk walk through the Garden, talk with a Garden expert, get behind-the-scenes information, and finish your morning with activities designed for our smallest visitors. Every week we will explore a new Garden theme. Camp meets in the Visitor Center.

### My First Camp Age 2

**Born on or before September 1, 2013**

**\$42 nonmember per child per week**  
**Garden Plus members receive a 20 percent discount**

Age **2**

#### My First Camp Age 2 information

- Camp meets one Tuesday and Thursday from 9 to 10 a.m. or 10:30 to 11:30 a.m.
- An adult must accompany each registered child.
- To make camp enjoyable and fair to all, do not bring unregistered children, including siblings, to camp. Nursing mothers may call (847) 835-8361 to make arrangements.
- Dress for the weather.
- Pack a water bottle and nut-free snack daily.

### Art & Music July 21 and 23

Share the joy of creating garden-inspired art with your child. Have fun practicing fine and gross motor skills while developing your child's appreciation of nature and the arts.

### Fantastic Foods July 14 and 16

Is your tot interested in helping out in the kitchen, setting the kitchen table, or eating new foods? Discover new foods, prepare a tasty snack, and work on kneading, mixing, grating, and spreading skills.

### My First Garden July 7 and 9

Your little gardener will dig, sow, and harvest with our child-sized tools! Grow those gardening skills by digging in the dirt and helping us create a garden.

### Small Scientists July 28 and 30

Toddlers will explore the world using magnets, water, sand, and the colors of the Garden. Discover textures and smells in nature, practice observation skills, and use scientific tools.



**My First Camp Age 3**

Born on or before September 1, 2012

\$64 nonmember per child per week

Garden Plus members receive a 20 percent discount

Age **3****Green Sprouts**

Most children are 4 or 5

\$210 nonmember per child per camp

Garden Plus members receive a 20 percent discount

Grades **Jk-K****Habitat Hunters**

June 22 – 26, 9:30 a.m. – noon or

July 13 – 17, 9:30 a.m. – noon or

July 27 – 31, 9:30 a.m. – noon

Habitat Hunters will explore the different habitats the Garden has to offer, learn how to track animals, and make a habitat for one of the creatures that live here.

**Hidden Treasures**

June 15 – 19, 9:30 a.m. – noon or

July 20 – 24, 12:30 – 3 p.m. or

August 10 – 14, 12:30 – 3 p.m.

Campers will use a map to find their way, create a treasure chest, and dig up a treasure to keep. They'll also bring home a plant with a hidden treasure to share.

**Mad Scientists**

June 15 – 19, 9:30 a.m. – noon or

July 20 – 24, 9:30 a.m. – noon or

August 10 – 14, 9:30 a.m. – noon

For young explorers who have ever wondered how fireflies glow, why leaves change, whether fish sleep, or just why? They'll find these answers and many more as they become not-so-mad scientists.

**Nature Art**

June 15 – 19, 12:30 – 3 p.m. or

July 6 – 10, 9:30 a.m. – noon or

August 3 – 7, 12:30 – 3 p.m.

Explore all the ways to make art from nature! Green Sprouts will use the sun's power to make prints and dyes, use clay for sculpture, and become inspired by flowers with watercolor painting.

**Salad Science**

July 6 – 10, 12:30 – 3 p.m. or

August 3 – 7, 9:30 a.m. – noon

We eat parts of plants every day. Young food scientists will explore the Garden to discover how foods grow. We'll discover how plants change the sun's energy into energy for our bodies, prepare our own snacks, and plant a salad to take home!

**Sprouting Wizards**

June 22 – 26, 9:30 a.m. – noon or

July 27 – 31, 12:30 – 3 p.m.

Kids become science wizards as they explore basic chemistry and the properties of solids, liquids, and gases through experimentation. No need to bring magic wands...we'll make our own!

**Super Seedlings**

July 13 – 17, 9:30 a.m. – noon or

July 27 – 31, 9:30 a.m. – noon

Campers will dig, plant, water, weed, and sow in the Garden. Working together, they'll create a garden, practice seed dissection, and become true gardeners!

**My First Camp Age 3 information**

- Camp meets one Monday, Wednesday, and Friday from 9 to 10 a.m. or 10:30 to 11:30 a.m.
- An adult must accompany each registered child.
- To make camp enjoyable and fair to all, do not bring unregistered children, including siblings, to camp. Nursing mothers may call (847) 835-8361 to make arrangements.
- Pack a water bottle and nut-free snack daily.

**Green Sprouts information**

Camps meet Monday through Friday from 9:30 a.m. to noon or 12:30 to 3 p.m.

- Dress for the weather.
- Pack a water bottle and nut-free snack daily.

**Bug Brigade**

June 22 – 26, 12:30 – 3 p.m. or

August 3 – 7, 9:30 a.m. – noon

Is your child fascinated by bugs? Children will get up-close and personal with butterflies and bees, learn how their favorite insects see, and make a bug sucker to collect and study insects.

**Fun with Physics**

July 6 – 10, 9:30 a.m. – noon or

July 20 – 24, 9:30 a.m. – noon

Green Sprouts will perform basic physical science experiments and discover the laws that rule the natural world. They'll explore why items sink or float, how magnets work, and static electricity.

**Garden Expedition**

July 13 – 17, 12:30 – 3 p.m. or

August 10 – 14, 9:30 a.m. – noon

Young ecologists will investigate trees, leaves, prairie plants, and aquatic creatures, discovering all that the natural world of Illinois has to offer. They'll learn how to preserve these wonders for future generations.

**Art & Music**

July 20, 22, 24

Preschoolers' creativity will thrive with nature-inspired art and music activities. Engage in clay work, movement, music, and interactive storytelling with your little one at the Garden.

**Fantastic Foods**

July 13, 15, 17

You and your preschooler will discover the different foods that come from plants. Plant an herb garden, practice slicing, pouring, and chopstick skills, and make a fruit salad!

**My First Garden**

July 6, 8, 10

Your preschooler will create a garden and care for plants, from planting to watering to harvesting. Taste the bounty of the Garden and sell produce at our Farmers' Market!

**Small Scientists**

July 27, 29, 31

Preschoolers will be introduced to the parts of a flower; learn about ants and their body parts; and explore wind, water, and worms through developmentally appropriate activities.



**Green Thumbs**Grades **1-2**

Most children are 6 or 7

**\$210 nonmember per child per camp****Garden Plus members receive a 20 percent discount****Green Thumbs information**

Camps meet Monday through Friday from 9:30 a.m. to noon or 12:30 to 3 p.m.

- Dress for the weather.
- Pack a water bottle and nut-free snack daily.

**Art in the Garden**

**June 15 – 19, 9:30 a.m. – noon or  
August 3 – 7, 9:30 a.m. – noon**

Green Thumbs discover different natural artistic styles while they explore the Garden. They'll sculpt with clay, make plant dyes, and create their own paper.

**Expert Wizardry**

**June 22 – 26, 12:30 – 3 p.m. or  
July 27 – 31, 9:30 a.m. – noon**

Young wizards will discover the magic of science as they create strange potions and perform unbelievable experiments while learning basic chemistry. No book of spells necessary—we'll make our own.

**Explore Your World**

**July 13 – 17, 9:30 a.m. – noon or  
August 10 – 14, 12:30 – 3 p.m.**

Curious campers will learn about the natural world through guided exploration and discovery by visiting the many habitats at the Garden. They'll also learn how to help preserve these habitats.

**Grossology**

**June 22 – 26, 9:30 a.m. – noon or  
July 20 – 24, 12:30 – 3 p.m. or  
August 10 – 14, 9:30 a.m. – noon**

Campers will uncover the science behind "gross" things around and inside them as they explore slimy and smelly natural phenomena. They'll use their observation skills along with scientific tools.

**Incredible Edibles**

**July 6 – 10, 9:30 a.m. – noon or  
August 3 – 7, 12:30 – 3 p.m.**

Young chefs will explore the Garden with their taste buds and find out how plants turn the sun's energy into fuel for our bodies! We'll explore how we eat plant parts every day, harvest food grown in the Outdoor Classroom, make our own tasty snacks, and plant an herb garden to take home.

**Insect Investigation**

**June 22 – 26, 9:30 a.m. – noon or  
August 3 – 7, 9:30 a.m. – noon**

Bug lovers, unite! Green Thumbs will search for insect homes, make insect display cases, and create insect-vision glasses to take home.

**Kinetic Kids**

**July 6 – 10, 12:30 – 3 p.m.**

Budding physicists will discover cool science tricks, explore the laws of motion, and perform physical science experiments with toys.

**Plant People**

**July 13 – 17, 12:30 – 3 p.m.**

Young horticulturists will explore the fascinating life cycle of plants with plenty of opportunity for scientific discovery, hands-on experiments, and garden cultivation.

**Treasure Hunt**

**June 15 – 19, 12:30 – 3 p.m. or  
July 20 – 24, 9:30 a.m. – noon or  
August 10 – 14, 9:30 a.m. – noon**

Campers will develop map-reading skills, use compasses, and discover how archaeologists excavate sites. They will create a hidden treasure map and find secret plant treasures, too.

**Wildlife Wanderers**

**June 15 – 19, 9:30 a.m. – noon or  
July 27 – 31, 12:30 – 3 p.m.**

Junior ecologists will study creatures on the ground, in the air, and in the water. Create a science kit, plant a terrarium, identify trees and animal tracks, and record everything in your journal.

**Explorers**Grades **3-4**

Most children are 8 or 9

**\$210 nonmember per child per camp****Garden Plus members receive a 20 percent discount****Explorers information**

Camps meet Monday through Friday from 9:30 a.m. to noon or 12:30 to 3 p.m.

- Dress for the weather.
- Pack a water bottle and nut-free snack daily.

**Alfresco Art**

**June 15 – 19, 9:30 a.m. – noon  
July 20 – 24, 12:30 – 3 p.m.**

Campers will become artistically inspired by the Garden and try their hand at botanical illustration, sculpture, printmaking, and painting. We'll explore new techniques each day of this outdoor art program.

**Botany in the Kitchen**

**June 15 – 19, 12:30 – 3 p.m. or  
August 3 – 7, 9:30 a.m. – noon**

Young chefs will discover how fruits, vegetables, herbs, and nutrients make cooking fascinating. They'll harvest vegetables and plant an herb garden.

**Camera Craft**

**July 13 – 17, 9:30 a.m. – noon or  
August 10 – 14, 12:30 – 3 p.m.**

Campers will learn the elements of composition and framing snapshots, and practice shooting photos around the Garden. They'll create a pinhole camera and rediscover the magic of nineteenth-century photography. Each camper must bring two disposable film cameras on the first day of camp.

**Dirty Jobs**

**June 22 – 26, 12:30 – 3 p.m. or  
July 20 – 24, 9:30 a.m. – noon**

Have you ever wondered how dirty, grimy, and grubby you can get working in a garden? Campers see what is in a day's work at the Garden. Keep our worm bins healthy, learn about the importance of compost, design and plant a garden, and meet a Garden scientist!

**Forensic Investigators**

**June 22 – 26, 9:30 a.m. – noon or  
August 3 – 7, 12:30 – 3 p.m.**

This year's all-new mystery will require young CSI team members to try investigative techniques used by the pros to help us get to the bottom of this summer's hot case.



Grades **2-4** **Adventurers** Grades **5-7**

**Garden Caching**

**July 6 – 10, 9:30 a.m. – noon or  
July 27 – 31, 12:30 – 3 p.m.**

A new Garden adventure awaits! Explorers will search for hidden caches using compasses, maps, and GPS as they learn the etiquette of geocaching. They'll also create a cache for others to find.

**Konnichiwa Japan**

**July 13 – 17, 12:30 – 3 p.m. or  
August 10 – 14, 9:30 a.m. – noon**

Time for immersion in Japanese culture as we explore Sansho-En, learn the art of bonsai, create sushi-inspired snacks, discover the art of calligraphy, and visit the Shoin House.

**Surviving Outdoors**

**July 6 – 10, 12:30 – 3 p.m. or  
July 27 – 31, 9:30 a.m. – noon**

Explorers will discover the secrets pioneers used to find water, make a collection of safe and useful plants, create a shelter, and learn about how to predict weather and storms.

**Rovers**

**Most children are ages 7, 8, or 9**

**\$860 nonmember per child per camp**

**Garden Plus members receive a 20 percent discount**

**Rovers information**

Camps meet for two weeks from Monday through Friday from 9:30 a.m. to 3 p.m.

- Dress for the weather.
- Pack a water bottle and nut-free snack daily.
- Campers must bring a nut-free lunch that does not require refrigeration.

It is a fantastic adventure at Camp CBG in our two-week, full-day camps for kids entering grades 2 to 4! Campers will explore all the Garden has to offer, make new friends, and jump into a fun-filled, outdoor, and educational camp program. Remember to pack a water bottle and snack daily, along with a peanut-free lunch that does not require refrigeration.

**Create & Grow**

**July 6 – 17 or August 3 – 14  
9:30 a.m. – 3 p.m.**

Does your child enjoy the arts? Campers will explore the Garden with art, music, cooking, yoga, and planting activities that encourage creative multimedia expression. Spend two weeks of your summer being inspired by the Garden.

**Science Explorer**

**June 15 – 26 or July 20 – 31  
9:30 a.m. – 3 p.m.**

Explorers will investigate plant, animal, and human adaptations, while utilizing the scientific process. Ecology, botany, physics plus chemistry equals a whole lot of fun in this exciting two-week camp.

**Adventurers**

**Most children are 10 to 12**

**\$430 nonmember per child per camp**

**Garden Plus members receive a 20 percent discount**

**Adventurers information**

Camps meet Monday through Friday from 9:30 a.m. to 3 p.m.

- Dress for the weather.
- Pack a water bottle and nut-free snack daily.
- Campers must bring a nut-free lunch that does not require refrigeration.

**Art**

**July 13 – 17 or August 3 – 7  
9:30 a.m. – 3 p.m.**

Artists will introduce Adventurers to the use of various media to create their own art. Using the Garden as a backdrop, students will develop their photography, sculpture, and drawing skills. They will explore the use of natural materials and learn various tricks of the trade used by professional artists.

**Chemistry**

**July 6 – 10 or August 10 – 14  
9:30 a.m. – 3 p.m.**

Who knew chemistry could be so cool? Adventurers will explore the basics of chemistry and chemical reactions. By performing simple experiments, they will develop a basic understanding of acids and bases, fine-tune measurement skills, and understand the importance of accurate data observation and recording.

**Cuisine**

**June 22 – 26 or July 20 – 24  
9:30 a.m. – 3 p.m.**

Calling all aspiring chefs! Campers will discuss menu techniques and preparation; learn principles of cooking with fruits and vegetables; improve basic chopping skills; and learn the importance of kitchen safety, setting a table, plating dishes, and creating a healthy meal. We'll use our harvest in simple summer recipes—ice cream, pasta, and more!

**Ecology**

**June 15 – 19 or July 27 – 31  
9:30 a.m. – 3 p.m.**

What does an ecologist do at the Garden? Adventurers will discover what scientists do as they explore the Garden's native Illinois habitats. Campers will conduct studies in our prairie, wetland, and woodland habitats, becoming familiar with native species. They will perform their own surveys, identifications, and field observations.



## Camp Registration and cancellation policies

### Registration Deadline

Registration is open until camps fill or one week prior to the start date of camp. You will receive an automated reply immediately upon completion of your online registration.

### Membership

Garden Plus and above members receive a 20 percent discount on all Camp CBG programs! Those holding individual Garden memberships will not receive this discount. Please call (847) 835-8215 if you would like to upgrade your membership in order to receive the discount. You will need to provide a member ID number at the time of camp registration. Please note that Garden membership is nontransferable.

### Age Limits

Please note the age groupings for each camp group. Campers must be entering the listed grade in fall 2015. We regret that we cannot make any exceptions to this policy. Campers in the Green Sprouts group and above must be toilet trained.

### Online Emergency Forms

Camp CBG does not require a medical examination to attend camp; however, we ask that you fill out our Online Emergency Form as soon as you complete your online registration. In order for your child to attend camp, we must have a completed health form on file by June 1, 2015. The form is available on our webpage at [chicagobotanic.org/camp](http://chicagobotanic.org/camp).

### Extra-Special Attention

Please let us know on your child's Online Emergency Form, if your child has special needs, including physical, emotional, educational, or medical needs. Advise us of any severe allergies or chronic illness. This includes information regarding food or airborne allergies. If your child will require special accommodations, please call (847) 835-8361 to discuss prior to registering.

### Pick-Up/Drop-Off

Camper drop-off and pick-up details will be communicated via e-mail to all registrants by June 1, 2015.

**Morning drop-off is 9:15 to 9:30 a.m.**

**Morning pick-up is at noon.**

**Afternoon drop-off is 12:15 to 12:30 p.m.**

**Afternoon pick-up is at 3 p.m.**

Camp groups will leave the drop-off area promptly at 9:30 a.m. for morning camps and 12:30 p.m. for afternoon camps. If a child misses the departure of his or her camp group, it is the responsibility of the caregiver who brings that child to check in, and then escort the camper to his/her camp location for that day.

### Please Do Not Bring To Camp

The Garden is not responsible for any item lost or broken during camp. Please leave the following items at home: **personal video game players, cellphones, and MP3 players/iPods.**

### Camper Code of Conduct

You will be asked to review the CBG Camper Code of Conduct upon completion of the Online Emergency Form:

- Campers will treat their fellow campers, instructors, and volunteers with respect.
- Campers will follow directions and stay with their group.

Please read and discuss these expectations with your child. In the event that a camper does not follow the Code of Conduct, or his or her behavior endangers other campers or interferes with an instructor's ability to provide programming, the coordinator of Camp Programs or camp instructor will inform the parent at pick-up or through a phone call. If a second incident occurs, parents may be asked to withdraw their child from camp. Refunds will not be given for behavior-related withdrawals.

### Cancellation Policy

You may cancel your child's Camp CBG registration up to two weeks before the first day of that camp. We are not able to give refunds for cancellations with less than two weeks' notice. Transfers will be granted up to one week before the start of a camp. A 10 percent administrative handling fee per child per camp will be assessed for all cancellations. To cancel, please call (847) 835-6801. If your child is unable to attend camp due to medical reasons, you may receive a refund (less a 10 percent processing fee) at any time prior to the start of camp by providing a doctor's note. We are unable to refund for missed days of camp. Camp CBG registration fees are nontransferable. Camps canceled by the Garden because of low enrollment or Garden closure will be automatically fully refunded. The Garden reserves the right to cancel a camp due to low enrollment.

### Before- and After-Camp Care

We are happy to offer before- and after-camp care for your camper. The program will be supervised by Camp CBG staff. Activities will include games, art projects, and gardening. Pack an extra snack for your camper for after care. Fees are per week, and cannot be prorated for partial use; no discount for Garden Plus members is available. Comprehensive guidelines, including late fees, are available on the Camp CBG webpage.

**Grades preK to 7  
June 15 – August 14**

**Morning Care:  
7:30 – 9:30 a.m.  
\$50 per week per camper**

**Afternoon Care:  
3 – 5:30 p.m.  
\$63 per week per camper**

### Lunch

Camp CBG offers a supervised lunch period for Green Sprouts, Green Thumbs, and Explorers campers for \$10 per child per week. Pack a nut-free lunch for your child that does not require refrigeration, and we will supervise your child during lunch (noon to 12:30 p.m.) and escort your child to his or her afternoon camp.

### Leaders in Training

Our Leaders in Training (LITs), ages 13-15, will help prepare for camps, assist teachers during the day, and learn life skills that will help them in future job searches and college preparation in our two-week program.

For an application and further information regarding the LIT program, please contact the camp manager at (847) 835-8361.



# Camp CBG Schedule

		June 15-19	June 22-26	June 28 - July 3	July 6-10	July 13-17	July 20-24	July 27-31	August 3-7	August 10-14
Age 6 mos to 2 yrs My First Camp	9:45 – 11:15 a.m.	Friday Bloomin' Strollers	Friday Bloomin' Strollers	<i>NO CAMP</i>	Friday Bloomin' Strollers	Friday Bloomin' Strollers	Friday Bloomin' Strollers	Friday Bloomin' Strollers	Friday Bloomin' Strollers	Friday Bloomin' Strollers
Age 2 My First Camp	9 – 10 a.m. 10:30 – 11:30 a.m.	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	My First Garden	Fantastic Foods	Art & Music	Small Scientists	<i>NO CAMP</i>	<i>NO CAMP</i>
Age 3 My First Camp	9 – 10 a.m. 10:30 – 11:30 a.m.	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	My First Garden	Fantastic Foods	Art & Music	Small Scientists	<i>NO CAMP</i>	<i>NO CAMP</i>
Grades JK-K Green Sprouts	9:30 a.m. – noon	Hidden Treasures	Sprouting Wizards	<i>NO CAMP</i>	Fun with Physics	Super Seedlings	Mad Scientists	Habitat Hunters	Salad Science	Garden Expedition
	9:30 a.m. – noon	Mad Scientists	Habitat Hunters	<i>NO CAMP</i>	Nature Art	Habitat Hunters	Fun with Physics	Hidden Treasures	Bug Brigade	Mad Scientists
	12:30 – 3 p.m.	Nature Art	Bug Brigade	<i>NO CAMP</i>	Salad Science	Garden Expedition	Hidden Treasures	Sprouting Wizards	Nature Art	Hidden Treasures
Grades 1-2 Green Thumbs	9:30 a.m. – noon	Art in the Garden	Insect Investigation	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	<i>NO CAMP</i>	Art in the Garden	Treasure Hunt
	9:30 a.m. – noon	Wildlife Wanderers	Grossology	<i>NO CAMP</i>	Incredible Edibles	Explore Your World	Treasure Hunt	Expert Wizardry	Insect Investigation	Grossology
	12:30 – 3 p.m.	Treasure Hunt	Expert Wizardry	<i>NO CAMP</i>	Kinetic Kids	Plant People	Grossology	Wildlife Wanderers	Incredible Edibles	Explore Your World
Grades 2-4 Rovers	<b>FULL-DAY TWO-WEEK</b> 9:30 a.m. – 3 p.m.	Science Explorer	<i>NO CAMP</i>	Create & Grow	Science Explorer	Create & Grow				
Grades 3-4 Explorers	9:30 a.m. – noon	Alfresco Art	Forensic Investigators	<i>NO CAMP</i>	Garden Caching	Camera Craft	Dirty Jobs	Surviving Outdoors	Botany in the Kitchen	Konnichiwa Japan
	12:30 – 3 p.m.	Botany in the Kitchen	Dirty Jobs	<i>NO CAMP</i>	Surviving Outdoors	Konnichiwa Japan	Alfresco Art	Garden Caching	Forensic Investigators	Camera Craft
Grades 5-7 Adventurers	9:30 a.m. – 3 p.m.	Ecology	Cuisine	<i>NO CAMP</i>	Chemistry	Art	Cuisine	Ecology	Art	Chemistry



# Teacher and Student Programs

Understanding the role of plants in an ecosystem is a fundamental part of every child's education.

We make learning about plants an exciting and enjoyable experience. Through our field trips, teacher workshops, and student internships, educators and students gain botanical knowledge and a deeper appreciation for the natural world. All programs support Common Core standards, Illinois state goals for learning, and Next Generation Science Standards.

## Outrageous Orchid Outings

Orchids grow in every climate and on every continent (except Antarctica). The smallest are about the size of a dime, the largest weigh upward of several hundred pounds, and they can live up to 100 years! Timed to coincide with the Garden's exquisite Orchid Show (admission is included), Outrageous Orchid field trips and a teacher workshop focus on these enchanting flowers to teach plant biology, pollination, and more.

During a two-hour immersive field trip, students will be dazzled by the show's 10,000 orchids and learn about botanical science along the way. Outrageous Orchid field trips are offered February 16 through March 13, 2015. They are aligned with Illinois Learning Standards and are tailored for students in grades preK–kindergarten, 1–2, 3–5, and 6–8. Register early to secure your preferred date. Visit [chicagobotanic.org/ctl/fieldtrips](http://chicagobotanic.org/ctl/fieldtrips) or call (847) 835-6801 for more information.

A corresponding 6½ -hour teacher workshop (6 CPDUs) will be offered Saturday, February 14, from 9 a.m. to 3:30 p.m.

Learn to use orchids to teach topics such as flower anatomy and adaptations, and make cross-curricular connections including social science and art. Visit [chicagobotanic.org/education/teacher\\_programs](http://chicagobotanic.org/education/teacher_programs) to register.

*Did you know that orchids are the largest family of flowering plants?*



# Teacher Professional Development

We invite you to increase your understanding of plants and nature, build your repertoire of teaching techniques, and enliven your grades preK – 12 classrooms, while earning professional development and graduate credit. Visit [chicagobotanic.org/teacherprograms](http://chicagobotanic.org/teacherprograms) for more detailed program descriptions and to register for classes.

Become an Educator Member and receive a 20 percent discount on all professional development courses over \$100.

## New! Just for Educators

Teachers are learners, too! This new series of programs combines fun projects and activities with the plant science and cultural connections that underlie them. You will leave with ideas you can share in the classroom, library, or any educational setting.

### Terrarium Making for Educators

Create terrariums and mini ecosystems for your classroom! Through hands-on activities and the creation of terrariums, bottle ecosystems, and more, learn a dynamic way to help students explore concepts such as plant adaptations, the water cycle, and ecosystem dynamics. Make a rain forest and desert terrarium for your classroom.

**Saturday, February 21, at the Chicago Botanic Garden**  
9 a.m. to 3:30 p.m.

\$80

**Grade level: K – 12**  
**PD hours: 6**

### Birding for Educators

Look up into the trees and sky and discover the amazing birds all around us. Just in time for spring migration and International Migratory Bird Day, join us to learn how to use birds to explore a variety of science concepts and make connections to the Next Generation Science Standards. Through hands-on activities, experiments, and nature walks, investigate topics including bird anatomy, behavior, adaptations, migration, and conservation issues.

**Saturday, May 9, at the Chicago Botanic Garden**  
9 a.m. to 3:30 p.m.

\$80

**Grade level: PreK – 12**  
**PD hours: 6**

## One-Day Workshops

These short workshops emphasize topics and teaching methods that support curriculum standards.

### Outrageous Orchids

Orchids are a unique and diverse family of plants that can be used to hook students' attention while addressing a variety of general science concepts. Explore how to use orchids to discuss topics such as flower anatomy, pollination, adaptations, and life cycles. Make cross-curricular connections, including social science through the vanilla orchid and art through botanical drawing. Visit the Garden's Orchid Show.

**Saturday, February 14, at the Chicago Botanic Garden**  
9 a.m. to 3:30 p.m.

\$80

**Grade level: K – 12**  
**PD hours: 6**

### Illinois Department of Natural Resources ENTICE: Using Resource Trunks to Teach the NGSS

The Illinois Department of Natural Resources (IDNR) offers resource trunks for loan to educators statewide. These teaching tools are loaded with hands-on, supplemental, Illinois-specific items that can make your lessons come alive for students! Join us at this workshop to learn how the Illinois Trees and Illinois Wild Mammals trunks can be used to help you meet Next Generation Science Standards for grades K through 3. We'll examine the trunk contents and take part in activities both indoors and outside. Register at <https://www.enticeworkshops.com>.

**Saturday, April 11, at the Chicago Botanic Garden**  
9 a.m. to 3:30 p.m.

\$10

**Grade level: K – 3**  
**PD hours: 6**

### Art, Nature, and Science for Early Childhood

Explore the amazing connections that can be made between art and science with our youngest learners. Discover a variety of projects that combine art, nature, and science, including exploring plant pigments, using natural items for painting, making sculptural models of plants and animals, and much, much more.

**Saturday, May 16, at the Chicago Botanic Garden**  
9 a.m. to 3:30 p.m.

\$80

**Grade level: PreK – 2**  
**PD hours: 6**

## Two-Day Credit Courses

Two-day courses allow you to study a topic in greater depth and earn Lane Credit and optional graduate credit for an addition fee.

### Science Stories

Throughout history, people have created stories to explain scientific facts and events. Groundhog Day, Jack Frost, the myth of Persephone who brings spring, and the story of the beautiful Snow Queen are all explanations for weather. Folk tales like the African story of the greedy zebra tell us how animals got their colors, horns, body coverings, and shapes. Spend Saturday and Sunday telling stories, identifying patterns in nature, making observations to explain science, and creating stories to help students understand the natural world.

**Saturday, December 6, at the Chicago Botanic Garden**  
8:30 a.m. to 4:30 p.m. and

**Sunday, December 7, at Brookfield Zoo**  
8:30 a.m. to 4:30 p.m.

\$150 (20 percent discount for Educator Members)

**Grade level: K – 12**  
**PD hours: 15,**  
**Graduate credit (additional fee): 1**

### Even More Edible Science

Explore the wonderful world of food through hands-on activities and experiments. Food science can be used to address a variety of concepts in biology, chemistry, and physical sciences. Learn about topics such as density using eggs and oil, changes in matter using popcorn and apples, solutions like syrups and candy, preventing bacteria and other microbes through preserving methods, heating and browning reactions, why exact measurements are important in baking, and much more.

**Saturdays, January 17 and 24, at the Chicago Botanic Garden**  
8:30 a.m. to 4:30 p.m.

\$150 (20 percent discount for Educator Members)

**Grade level: K – 12**  
**PD hours: 15, Lane credit: 1 (pending CPS approval),**  
**Graduate credit (additional fee): 1**

### Bringing Up Bookworms

Discover ideas for fostering literacy through science and science through literacy. Inspire kids to read, write about, and discover science and nature. Learn how to pair hands-on science activities and experiments with fiction and nonfiction readings. We will look at some of our favorite books and discover creative ways to get kids writing about science and even creating their own books.

**Saturdays, March 14, 21, and 28, at the Chicago Botanic Garden**  
8:30 a.m. to 4:30 p.m.

\$150 (20 percent discount for Educator Members)

**Grade level: PreK – 12**  
**PD hours: 15, Lane credit: 1 (pending CPS approval),**  
**Graduate credit (additional fee): 1**

## Other Teacher Programs

### Custom Workshops

Increase your understanding of plants and nature, build your repertoire of teaching techniques, and enliven your classrooms! The Chicago Botanic Garden offers a variety of standards-based professional-development workshops scheduled specifically for your group. Perfect for teacher institute days, curriculum meetings, or professional development, workshops can be held at your school or at the Garden. Teachers, administrative staff, and parent or neighborhood volunteers can all participate through active learning that models grade-appropriate techniques for integrating plant-based learning into the curriculum. Workshop topics include Botany Basics, Schoolyard Ecology, Experimenting with Plants, Science and Literature, Kitchen Science, and Midwest Ecosystems, or suggest your own. Custom workshops are a minimum of two hours long and cost \$200/hour for each group of up to 20 teachers. Please call Teacher Programs at (847) 835-8253 for more information or to schedule a custom workshop.

### Gardening Courses

Windy City Harvest offers half-day and full-day workshops on growing plants indoors and outside. It's a great way to improve your home or school gardening skills. Visit [chicagobotanic.org/windycityharvest/](http://chicagobotanic.org/windycityharvest/) courses for a complete list of topics and other information.

### Free Classroom Resource Kits for Loan

The Regenstein School offers a variety of resource kits of learning materials from the Illinois Department of Natural Resources (IDNR) for educators to use in the classroom. Kits include Illinois Wild Mammals, Illinois Birds, Illinois Trees, Illinois Prairies, Illinois Insects and Spiders, Aquatic Illinois, and more. New this year, teachers may borrow an Enviro-scape watershed model complete with consumable materials. Borrowing any kit requires a \$50 deposit, which is refunded upon the return of the complete kit. For a list of all resources kits, kit availability, and/or to arrange for kit pickup, call (847) 835-8253.

## Real World Science Investigations in the Classroom

### Project BudBurst

Join students and communities from across the country in collecting plant life-cycle data and entering it into our user-friendly database. Details, curriculum materials for grades K through 12, and data from past years are available at [budburst.org](http://budburst.org). Project BudBurst is a collaboration between the Chicago Botanic Garden and the National Ecological Observatory Network. It is supported by grants from the National Geographic Education Foundation and National Aeronautics and Space Administration.

### New! Climate Change in my Backyard

This curriculum series integrates student participation in Project BudBurst with investigation of NASA climate data, and uses an earth-systems approach to understanding climate change and its consequences for our environment. The series is aligned with the Common Core and Next Generation Science Standards and is available in three age levels—grades 5 to 6, grades 7 to 9, and grades 10 to 12. Visit [chicagobotanic.org/nasa](http://chicagobotanic.org/nasa) for more information.

## Student Field Trips

Enrich your students' educational experience with a visit to the Garden. Choose from a variety of programs that feature plant and nature topics appropriate for specific grade levels. Guided and self-guided options are available. Visit [chicagobotanic.org/ctl/fieldtrips](http://chicagobotanic.org/ctl/fieldtrips) for complete program information and to schedule your visit.

### Homeschool Groups

We welcome you to register for field trips to the Garden. If your homeschool group includes a range of ages, please review our complete program descriptions online and select a program that best matches your group's grade level and knowledge base.

### Orchid Winter Programs

From Valentine's Day to St. Patrick's Day, all guided programs will be immersed in the science and splendor of orchids and will visit the Garden's annual Orchid Show. Age-appropriate program topics range from plant parts to pollinators and meet the new Next Generation Science Standards. See grade-level program listings for more information.

### Guided Field Trips

Guided programs are led by trained facilitators who will engage your students with hands-on activities to learn about plants and habitats found at the Garden. Field trips include outdoor exploration activities, so please dress for the weather. Visit [chicagobotanic.org/ctl/fieldtrips](http://chicagobotanic.org/ctl/fieldtrips) for more detailed grade-specific program descriptions, applicable learning standards, and to schedule your visit. Unless otherwise stated, programs cost \$120 per class with a maximum of 30 students. Chaperone to student ratios are dependent on grade level with a limit of eight chaperones per class. Available dates and times vary with the program.

*Teachers and students alike benefit from the diverse resources at the Garden.*



## Guided Programs PreK – K

**\$120 per class of up to 25 PreK students**  
**Available Monday through Friday, 10 a.m. – noon**  
**A 1:5 ratio of chaperones to students is required.**

### Discovering Plants

Become a junior botanist as you learn about the roles of plant parts! To experience plant parts in action, students will explore the Grunsfeld Children's Growing Garden, the Greenhouses (Late Fall/Early Spring), or the Regenstein Fruit & Vegetable Garden. Each student will pot a plant to take home.

**Early Fall, Late Fall, Early Spring, Spring**

### Outrageous Orchids: Sensational Explorers

Students will use their five senses to fully immerse themselves in the enchanting world of orchids. We will investigate orchid shape, color, and texture while also learning about the origins of vanilla. Each student will leave with an orchid-themed craft. Admission to seasonal orchid show included.

**February 16 – March 13**

## Guided Programs PreK – 2

**\$120 per class of up to 25 PreK or 30 K – 2 students**  
**Available Monday through Friday, 10 a.m. – noon**  
**A 1:5 ratio of chaperones to students is required.**

### Trees and Trains

Learn how to identify evergreen tree families by touch and sight. Learn about their unique adaptations to the change in seasons. Visit the enchanting Wonderland Express exhibition to experience the trees and trains. Students will take home a special holiday craft.

**Holiday**

## Guided Programs K – 2

**\$120 per class of up to 30 students**  
**Available Monday through Friday, 10 a.m. – noon**  
**A 1:5 ratio of chaperones to students is required.**

### Surprising Seeds

What is inside a seed? As junior botanists, students learn about seed parts and how they work together to produce a new plant. After dissecting a seed, students will explore the Garden and pot their own seed to take home.

**Early Fall, Late Fall, Holiday, and Early Spring**

### Garden Groceries

Students will discover the relationship between plant parts and the foods we eat. A Garden exploration to study living examples that are in season is included. Students pot an edible plant to take home.

**Early Fall**

### Insect Investigations

There is more to life in the garden than just plants. Come see the Garden through insect eyes, learn about insect characteristics, and observe unique relationships between plants and insects. Students will pot a plant to take home.

**Early Fall**

### A Walk in the Woods

Students will learn about woodland habitats and survey the Garden's rare oak woodland using their senses and observational skills. Woodland programs take place outdoors in McDonald Woods.

**Early Fall and Late Fall**

### Expedition Ecosystem: The Wonders of Soil

What role does soil play in an ecosystem? Students will identify the components of healthy soil and come face-to-face with common soil-dwelling critters. Each student will leave with a potted plant.

**Holiday and Early Spring**

### Outrageous Orchids: Plant Part Investigation

Discover why orchids are considered to be one of the most unique flowers in the world. Students will explore the life cycle of an orchid and discuss the scientific reasons behind the flower's shape, size, and color. Each student will leave with an orchid-themed craft. Admission to seasonal orchid show is included.

**February 16 – March 13**

**Grades 1 and 2 only**

### Spring Garden Explorers

Spring Garden Explorers is one of our most popular guided field-trip programs. Students will participate in discovery stations, each investigating a different science topic. Through hands-on exploration activities, students will learn about plants and other species at the Garden. Students will pot a plant to take home as part of the program.

**Spring**

## Guided Programs 3 – 5

**\$120 per class of up to 30 students maximum**  
**Available Monday through Friday, 10 a.m. – noon**  
**A 1:7 ratio of chaperones to students is required.**

### Flower Lab

Why do plants make flowers? As junior botanists, students learn about flower parts and how flowers, with pollinators' help, produce seeds. Students will pot a flower seed to take home and apply knowledge gained as they explore flowers in the Garden.

**Early Fall, Late Fall, Holiday, and Early Spring**

### Edible Botany

How are plant parts and their functions related to the foods we eat? A Garden exploration to study living examples that are in season is included. Students pot an edible plant to take home.

**Early Fall**

### Pondering the Prairie

Students explore the prairie, focusing on plant adaptations and ecosystem interactions by conducting quadrant surveys to compare two prairie types. Prairie programs take place outdoors in the Dixon Prairie.

**Early Fall**

### Forest Fundamentals

Students find evidence of food chains and food webs throughout the Garden's woodland. They will also learn about common woodland trees. The Forest Fundamentals program takes place outdoors in McDonald Woods. Students will apply their sensory and observational skills as they explore this rare oak woodland.

**Early Fall and Late Fall**

### Plant Propagation

Clone a new plant from part of another one! Compare and experiment with some different methods of propagating plants as you learn about various ways plants reproduce. Plant a stem cutting to take home and watch the roots grow.

**Holiday and Early Spring**

### Outrageous Orchids: Plant Part Investigation

Discover why orchids are considered one of the most unique flowers in the world. Students will explore the life cycle of an orchid and discuss the scientific reasons behind the flower's shape, size, and color. Each student will leave with an orchid-themed craft. Admission to seasonal orchid show is included.

**February 16 – March 13**

### Spring Garden Explorers

Spring Garden Explorers is one of our most popular guided field-trip programs. Students will participate in discovery stations, each investigating a different science topic. Through hands-on exploration activities, students will learn about plants and other species at the Garden. Students will pot a plant to take home as part of the program.

**Spring**

*Guided programs bring students face to face with plants.*



## Guided Programs 6 – 8

\$120 per class of up to 30 students maximum  
Available Monday through Friday, 10 a.m. – noon  
A 1:10 ratio of chaperones to students is required.

### Ecosystems and Plant Adaptations

Plants can survive and even thrive in challenging environmental conditions. Discover how plants have adapted to abiotic factors in an ecosystem. Students conduct an inquiry-based investigation of plant adaptations within two ecosystems by comparing and contrasting the influence of abiotic factors on the plant community.

Early Fall, Late Fall, and Early Spring

### Outrageous Orchids: Peculiar Pollinators

From deceptive scents to vibrant colors, orchids have evolved to attract a wide variety of pollinating creatures. Through hands-on activities, students will experience a day in the life of an orchid pollinator as they test nectar sugar-levels and identify attractive petal colors and scents. Each student will leave with an orchid-themed craft or plant. Admission to seasonal orchid show is included.

February 16 – March 13

### Outrageous Orchids: The Mighty Rainforest

Step out of the classroom and into the rain Forest! Using scientific tools, students will take an in-depth look at rainforest plant adaptations and critically analyze the relationships between biotic and abiotic factors within the biome. Each student will leave with an orchid-themed craft. Admission to seasonal orchid show is included.

February 16 – March 13

## Guided Programs 6 – 12

\$120 per class of up to 30 students  
Unless otherwise stated, available Monday through Friday, 10 a.m. – noon  
A 1:10 ratio of chaperones to students is required.

### Water Quality

Students will learn about the aquatic ecosystem by collecting and testing water samples, identifying organisms that indicate water quality, and conducting a chemical assessment. Please prepare your students to be outdoors for the program duration.

Early Fall and Spring

### Photosynthesis Lab

Students will explore photosynthesis, investigating how and where it takes place, how plants obtain the materials necessary for it to occur, and its products. Students will use scientific equipment to identify plant stomata and measure the gas exchange.

Holiday and Early Spring

### Green Buildings

Visit the Daniel F. and Ada L. Rice Plant Conservation Science Center to learn about the remarkable conservation features of this building. Students will explore the green roof and create their own roof design.

Late Fall: Tuesdays and Thursdays

## Guided Programs for Children with Special Needs

Bring your students to the Chicago Botanic Garden for a customized therapeutic program in the Buehler Enabling Garden outdoor classroom. These one-hour programs provide a guided, structured experience with nature and are designed for youth with special needs. If you find it difficult to travel with your students, please contact us to discuss possible programs delivered in your school. Call (847) 835-6801 to learn more about horticultural therapy for your students or to schedule a program.

K – 12

Monday through Friday  
\$120 (includes all materials)

Maximum number of children: 15

## School Field Trips at a Glance

Age Group	Program	Early Fall 9/1-10/10/14	Late Fall 10/13-11/7/14	Holiday 12/1-12/19/14	Orchid Show 2/16-3/13/15	Early Spring 3/16-4/10/15	Spring 4/20-6/5/15
PreK-K	Discovering Plants		Until 11/3				
	Outrageous Orchids: Sensational Orchids						
PreK - 2	Trees and Trains						
K-2	Garden Groceries						
	Insect Investigations						
	A Walk in the Woods						
	Surprising Seeds		Until 11/3				
	Ecosystem: The Wonders of Soil						
Grades 3-5	Outrageous Orchids: Plant Part Investigation (1-2)						
	Spring Garden Explorers						
	Pondering the Prairie						
	Edible Botany						
	Forest Fundamentals						
Grades 6-8	Flower Lab		Until 11/3				
	Plant Propagation						
	Outrageous Orchids: Plant Part Investigation						
	Spring Garden Explorers						
	Ecosystems and Plant Adaptations		Until 11/3				
Grades 6-12	Outrageous Orchids: Peculiar Pollinators						
	Outrageous Orchids: The Mighty Rainforest						
	Water Quality						
Grades 6-12	Green Buildings		Until 11/3				
	Photosynthesis Lab						

## Self-Guided Field Trips

Self-guided field trips allow students to explore while you lead them through the Garden. Register in advance and Garden staff will be available to discuss areas suited for any curricular topic prior to your field trip. Enjoy a prepared Garden activity by reserving a self-guided activity backpack for your group.

**Year-round**

**Monday through Friday**

**9 a.m. – 4:30 p.m.**

**\$30 per classroom (maximum 30 students)**

**Parking fee waived for a limited number of vehicles**

### Self-Guided Activity Backpacks

Self-guided activity backpacks provide hands-on activities for teachers to lead while visiting the Garden. Reserve activity backpacks to enhance sensory experience in the Sensory Garden, explore Japanese culture and garden design in the Elizabeth Hubert Malott Japanese Garden, study plant adaptations in the Greenhouses, or investigate the world of pollinators throughout the Garden. Each backpack includes all supplies for the activities for a group of 30 and can be checked out for either the morning (9 a.m. to noon) or the afternoon (12:30 to 3:30 p.m.).

**Year-round**

**Monday through Friday**

## Additional Field Trip Experiences

### Wonderland Express

Visit an enchanting winter wonderland with twinkling lights and magical indoor trains. Model trains travel over bridges, under trestles, past waterfalls, and through more than 80 miniature versions of Chicago landmarks. Visit [chicagobotanic.org/wonderland](http://chicagobotanic.org/wonderland) for more information about Wonderland Express.

**November 28, 2013 – January 4, 2015**

**\$3 per person\***

### The Orchid Show

Enjoy an eye-popping walk through the Tropical and Semitropical Greenhouses and Galleries to experience a colorful display of thousands of different orchids.

**February 16 through March 13**

**\$3 per person\***

*Windy City Harvest runs the 20,000-square-foot rooftop garden at McCormick Place.*

### School Tram Tours

Embark on a delightful journey around the Garden. Your tram tour guide will show you things you might not notice on your own and invite you to search for clues to nature's secrets.

**April through October**

**\$2.50 per person**

**Offered at 10:30 and 11:15 a.m., noon, and 12:45 p.m.**

**Grades PreK, K – 2, or 3 – 6**

**30 minutes**

Climb aboard for a narrated tram tour around the 2.6-mile perimeter of the Garden. Your tour guide will present highlights and history of this living museum, and share information about our research projects and conservation efforts.

**Grades 7 – 12**

**35 minutes**

### Model Railroad Garden

Guide your students around our popular model railroad exhibition, where 7,500 square feet of miniature gardens and unique settings delight students and chaperones alike. Visit [chicagobotanic.org/railroad](http://chicagobotanic.org/railroad) for more information.

**May through October**

**\$3 per person\***

**\*The fees noted are for self-guided groups or guided groups that want to visit a special exhibition after the conclusion of their guided program. Guided programs that visit special exhibitions will include the fee in the program registration costs.**

## Traveling Plant Science Teacher

Enrich your curriculum and have the Chicago Botanic Garden come to you! Choose from a variety of programs that feature plant science topics appropriate for specific grade levels, including Terrific Trees, offered in January and February for grades PreK and kindergarten. All programs support Illinois state goals for learning and Next Generation Science Standards, and include live plants brought from the Garden to study, and a plant for each student to keep.

**January and February**

**\$120 per class (maximum 30 students)**

**\$100 for each additional class on the same day**

**Schools located more than 20 miles from the Chicago Botanic Garden will be charged a \$50 mileage fee.**

### Terrific Trees

Through the use of scientific tools and hands-on exploration, students will discover the important role trees play in forest ecosystems right from their own classroom. Students will pot a plant to keep.

**PreK – K**

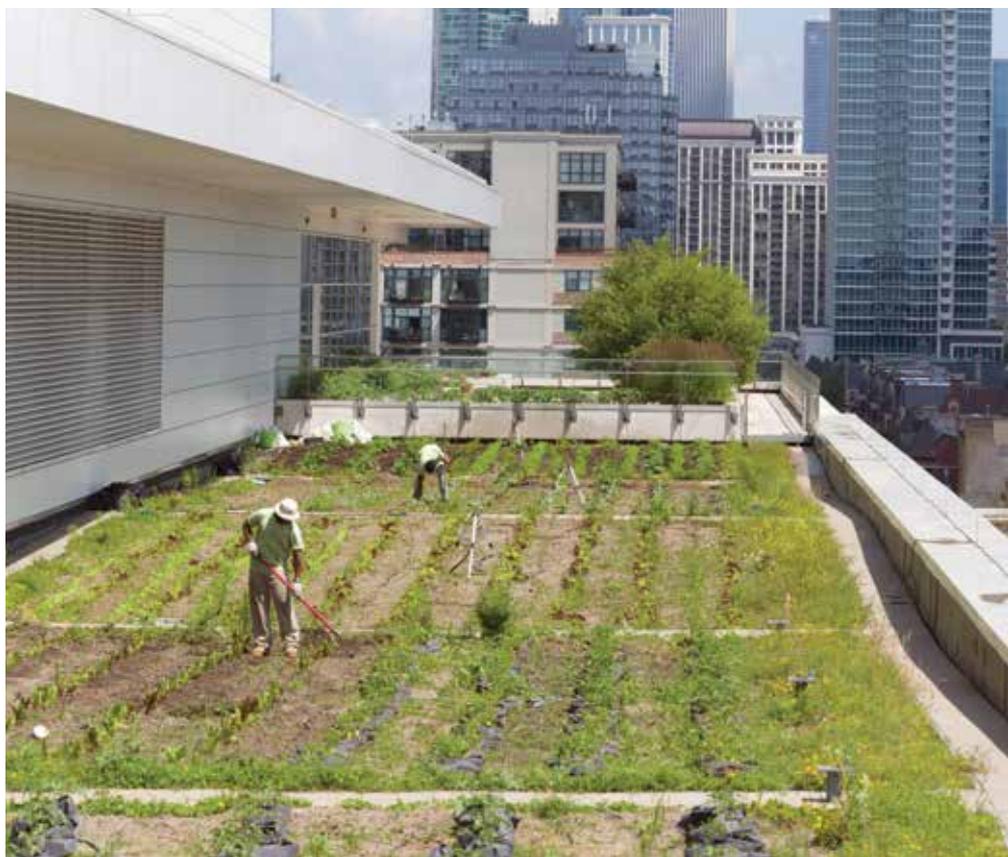
The following programs can also be brought to your classroom:

Garden Groceries (PreK – 2)

Surprising Seeds (K – 2)

Flower Lab (3 – 5)

Visit [chicagobotanic.org/ctl/outreach/](http://chicagobotanic.org/ctl/outreach/) for more information about programs and scheduling.



## Science Career Continuum

### Great Summer Science Experiences for Students

The Garden is committed to encouraging interest in the natural sciences and promoting careers in botany, horticulture, ecology, and conservation science. The Science Career Continuum offers qualified Chicago Public Schools (CPS) students in middle school through college a series of age-appropriate opportunities to learn about science and conservation at the Garden.

#### Science First (Grades 7 – 9)

Science First is a free four-week summer program for Chicago Public School students currently in grades 7 through 9. While enjoying hands-on, nature-based science activities, indoor and outdoor investigations, and exposure to real scientists who work at the Garden, students improve their understanding of the scientific method and careers in science. Transportation and free lunch are provided. CPS teachers are encouraged to share registration materials with promising students. Applications will be due April 24, 2015. Visit [chicagobotanic.org/sciencefirst](http://chicagobotanic.org/sciencefirst) for more information.

#### College First (Grades 10 – 11)

College First is a summer internship and field ecology course for students entering their junior or senior years. Students get paid and earn college credit while studying environmental science, conducting a research project, and working with scientists at the Garden. Students meet monthly during the school year to learn more about preparing for college. Transportation is provided. CPS teachers are encouraged to share registration materials with promising students. Applications will be due April 10, 2015. Visit [chicagobotanic.org/collegefirst](http://chicagobotanic.org/collegefirst) for more information.

*The Science Career Continuum is made possible by the generous support of by an anonymous donor, Lloyd A. Fry Foundation, Institute of Museum and Library Services, ITW, Colonel Stanley R. McNeil Foundation, Paul M. Angell Family Foundation, Alvin H. Baum Family Fund, Discover Financial Services, Harold M. and Adeline S. Morrison Family Foundation, Sage Foundation, Stanley Smith Horticultural Trust, Trillium Foundation, William J. Clancy Foundation, Bertha Lebus Charitable Trust, Takiff Family Foundation, and the W.P. & H.B. White Foundation.*

#### Research Experiences for Undergraduates

The Garden's Research Experiences for Undergraduates (REU) program is a full-time, ten-week research internship for college undergraduates conducting research in plant biology and conservation. Students earn a stipend and money for living expenses while they work with research scientists and graduate students from the Garden and Northwestern University. Professional-development and social activities are also included. Visit [cbgreu.org](http://cbgreu.org) for more information. Please note that the summer 2015 REU program is contingent upon renewal of funding.

*The Garden's REU program is made possible by the generous support of the National Science Foundation.*

## Windy City Harvest

### Brighter Futures in a Growing Economy

Too often, people faced with limited opportunities find themselves unable to reach their full potential. Through its Windy City Harvest program, the Chicago Botanic Garden offers alternatives to youth and adults based on the growing interest in urban farming. The results we have seen since introducing jobs-training and mentoring programs in sustainable horticulture and urban agriculture have changed thousands of lives.

#### Windy City Harvest Youth Farm

The Garden's Windy City Harvest Youth Farm program works with at-risk teens, teaching them about the food system and good nutrition. Each year, approximately 70 young people learn about the importance of plants and work as a team at one of our three urban farm sites in Chicago and North Chicago. These students become directed toward higher education and inspired by the belief that their actions can contribute to positive change for some of the area's most challenged communities.

[chicagobotanic.org/urbanagriculture/youthfarm](http://chicagobotanic.org/urbanagriculture/youthfarm)

#### Windy City Harvest Apprenticeship

The Garden offers a nine-month accredited certificate in sustainable urban agriculture in partnership with Daley College, delivered by Garden staff at the Arturo Velasquez Institute satellite campus. There are currently six urban farm sites where apprentices (certificate students) learn and practice their production skills. To date, 89 percent of the certificate graduates—career changers, entrepreneurs, and people with barriers to employment—have found seasonal and full-time jobs in the local horticulture and urban agriculture industry.

[chicagobotanic.org/urbanagriculture/apprenticeship](http://chicagobotanic.org/urbanagriculture/apprenticeship)

#### Windy City Harvest Corps

The Windy City Harvest Corps provides opportunities for people with multiple barriers to employment and is intended for both juveniles (ages 17 to 21) and adults who have been involved with the justice system. The Corps provides training and transitional employment in Windy City Harvest operation sites for approximately 30 adults annually. Participants complete the Roots of Success job-readiness curriculum and are encouraged to apply to the Apprenticeship certificate program.

[chicagobotanic.org/urbanagriculture/corps](http://chicagobotanic.org/urbanagriculture/corps)

The success of the Garden's Windy City Harvest program would not be possible without federal agency grants, City of Chicago funding for transitional jobs, generous private foundation and corporate support, and the collaboration of employment partners such as Midwest Foods, Eatataly, and FarmedHere, whose hiring practices consider people who have gone through the justice system.

*Major support for the Chicago Botanic Garden's Urban Agriculture programs is provided by the Beginning Farmer and Rancher Development Program of the National Institute of Food and Agriculture, USDA as well as the following: anonymous donors, After School Matters, AgriBank and 1st Farm Credit Services, J.R. Albert Foundation, BMO Harris Bank, Brinshore Development, City of Chicago Department of Family and Support Services, Leo S. Guthman Fund, Illinois Department of Commerce and Economic Opportunity, JPMorgan Chase Foundation, Kraft Foods Group Foundation, Midwest Foods, Polk Bros. Foundation, Preservation Foundation of Lake County Forest Preserves, Savor Inc., Howard and Jackie Shapiro Foundation, Spear Family Charitable Fund, Steans Family Foundation, and the Woman's Board of the Chicago Horticultural Society.*

*Additional support is provided by anonymous donors, Alvin H. Baum Family Fund, Walter and Karla Goldschmidt Foundation, The Grainger Foundation, George and Amanda Hanley Foundation, Kaplan Foundation Fund/Carol and Ed Kaplan, Walter S. Mander Foundation, Northern Trust, Prince Charitable Trust, United States Department of Housing and Urban Development, and the Woods Fund Chicago/Anne-Marie St. Germaine.*

*Also contributing are the Albers/Kuhn Family Foundation, Laurance Armour Memorial Trust at the Chicago Community Trust, Benefit Magic, LLC, Tom E. Dailey Foundation, The Outdoor Foundation, Kathy and Grant Pick Fund, State Farm, Takiff Family Foundation, Walgreens, and two individual donors.*

## Horticultural Therapy

### Cultivating Health and Well-being

#### Horticultural Therapy Services

Since 1977, the Garden's Horticultural Therapy Services Program has supported the establishment of horticultural therapy programs at healthcare and human service agencies serving schools, VA hospitals, people with disabilities, and older adults in the Chicago area. The program serves as a primary regional, national, and international resource for information while offering a full range of professional training opportunities. Also available are consulting services in barrier-free garden design, sensory landscaping, and horticultural therapy program planning. Visit [chicagobotanic.org/therapy](http://chicagobotanic.org/therapy) for more information.

*Horticultural Therapy is supported by an endowment from the Buehler Family Foundation. Additional support is provided by the Abra Prentice Foundation, After School Matters, Albers/Kuhn Family Foundation, Eli's Cheesecake Company, Illinois Department of Veterans' Affairs, and the Edmond and Alice Opler Foundation, as well as endowments established by the estate of Florence Rantz, the Kenilworth Garden Club, the Julien H. Collins and Bertha M. Collins Fund, and the Helen and Maurice Weigle Fund at the Chicago Community Trust.*

*The Chicago Botanic Garden's education and community programs are generously supported by The Brinson Foundation, The Hearst Foundation, HSBC, Kemper Educational and Charitable Foundation, and the United States Environmental Protection Agency.*