

NYBG

FALL 2020–WINTER 2021 | VOLUME 7



NEW YORK BOTANICAL GARDEN

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■ On the cover: Kabocha Pumpkin, *Shishigatani kabocha*,
Watercolor on paper, ©Akiko Enokido

ABOUT THE COVER: *Shishigatani kabocha*,
Akiko Enokido Official Entry

The Fourth NYBG Triennial
Abundant Future: Cultivating Diversity
in Garden, Farm, and Field

This rare and historic heirloom Japanese pumpkin dates from the Edo period, and is highly valued in Kyoto cuisine. The image—along with other artwork seen throughout the catalog—is featured in this year's virtual botanical art exhibition, which showcases heirloom plants and their wild relatives, and highlights their critical role in increasing and preserving genetic diversity.

Calendar



	HOLIDAYS	SCHOOL SCHEDULE
JANUARY	New Year's Day Martin Luther King Day weekend	Winter term begins
FEBRUARY	Lincoln's Birthday Presidents' Day weekend	
MARCH	Passover	
APRIL	Easter Sunday	Spring term begins
MAY	Memorial Day	
JUNE	Juneteenth	Graduation for those who have completed their Certificates
JULY	Independence Day	Summer term begins
AUGUST		
SEPTEMBER	Labor Day weekend Rosh Hashanah Yom Kippur	
OCTOBER	Federal Holiday	Fall term begins
NOVEMBER	Election Day Thanksgiving and the following Friday	
DECEMBER	Christmas week	

■ Heirloom Blueberry Branch #1, *Vaccinium corymbosum*: Stanley (detail), Watercolor on vellum, ©Connie Scanlon

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School Staff

DIRECTOR

The School's operations are managed by **Lisa Whitmer**, the Director of the School of Horticulture & Landscape Design. Lisa brings a wealth of expertise to The New York Botanical Garden, as she has worked as a teacher and an educational program director for 20 years, fostering students' curiosity and critical thinking in content areas as diverse as video production, history, and robotics for organizations including BRIC Arts | Media | Bklyn, Tribeca Teaches, Adobe Youth Voices, RoboFun, and Aragon High School.

INSTRUCTORS

Daryl Beyers

Daryl Beyers, brings over 20 years' experience designing residential gardens and private estates to NYBG. Beyers has gone from the self-described "the guy pushing the wheelbarrow" to the owner of his own design business and an accomplished garden writer. He's a former editor at *Fine Gardening*, and his articles have been featured in *HGTV Magazine* and in *Martha Stewart Living*, where he also served as Contributing Editor.

Mark Bunnell

Mark Bunnell, RLA, is a partner in the landscape architecture firm Quennell Rothschild & Partners. He has more than 32 years of experience designing and restoring public and private landscapes in New York City and beyond, including current projects for Pershing Square in Manhattan and Fowler Square in Brooklyn. Many of his projects have involved collaboration with artists, including Maya Lin, Alison Saar, and Xu Bing. His work also includes campus design projects for Sarah Lawrence College, Trinity College, and Colgate, Duke, and Brown Universities.

Wayne Cahilly

Wayne Cahilly is a graduate of the School of Professional Horticulture at the New York Botanical Garden, where he was the manager of the Lionel Goldfrank III Institutional Mapping Department for over 35 years. He is a member of the American Society of Consulting Arborists, a Certified Arborist, and a Certified Tree Risk Assessor. Wayne's talent for photography is often called upon to photograph landscapes and tree parts in the context of forensic investigations. His photographs are frequently exhibited as evidence in court proceedings, and his garden and flower photographs have been used in several publications.

Leslie Day

Leslie Day has been a science educator for 20 years with a doctorate in science education from Columbia University. Day is also a New York City naturalist and author of *Field Guide to the Natural World of New York City*, *Field Guide to the Street Trees of New York City*, *Field Guide to the Neighborhood Birds of New York City*, and her latest book *Honeybee Hotel: the Waldorf Astoria's Roof Garden and the Heart of New York City*.

Phyllis D'Amico

Phyllis D'Amico, HTM, is a registered horticultural therapist with the American Horticultural Therapy Association and has worked in the field for over 25 years with children and adults of all ages and abilities. D'Amico has created an award-winning horticultural therapy program for special needs students at the New Jersey Regional Day School in Newark, where she is the Lead Science Teacher and Horticultural Therapist. D'Amico earned a Certificate in Horticultural Therapy from the New York Botanical Garden, where she has been an instructor for 30 years.

Erica DeLuca

Erica DeLuca is the gardener in the forest at the New York Botanical Garden where she has worked since 2012. She has a B.S. in environmental biology and zoology from Michigan State University and a M.S. in Geographic Information Science from Lehman College. She previously worked with the New York Restoration Project.

Alice Eckerson

Alice Eckerson, RLA, ASLA, is owner of the landscape architecture firm Eckerson Design Associates in Fairfield, Conn., which specializes in residential site planning and design.

William Harris Einhorn

William (Bill) Harris Einhorn, RLA, is a licensed landscape architect in New York, Connecticut, and New Jersey. He is the owner of LDAH Landscape Architecture, PC, specializing in residential design and installation with a focus on pool environments. Prior to establishing LDAH, Mr. Einhorn was the landscape architect at the New York Botanical Garden.

Stacie Ellickson

Stacie Ellickson, LLA, is a Senior Landscape Architect and certified arborist at MNLA. A native of Iowa, she received her Bachelor of Landscape Architecture from Iowa State University and practiced in Des Moines prior to moving to New York City in 2015. With over 10 years of experience, Ellickson has managed a variety of project types at different scales and has a passion for finding solutions and details that make each project unique.

Nick Gershberg

Nick Gershberg is the Manager of the Arthur Ross Greenhouse at Barnard College. A former intern at the Brooklyn Botanic Garden, he is trained in plant propagation and bonsai technique and specializes in container horticulture.

Manny Grossman

Manny Grossman is the owner of Rogers Gardening Service, a garden restoration, maintenance, design, and installation firm in Westchester County. He is certified by NYBG in ornamental garden design and is a certified Permaculture designer and instructor. He is also an organic tropical fruit farmer with nine acres under cultivation in Puerto Rico.

Michael Hagen

Michael Hagen is the NYBG Curator of the Native Plant Garden and the Rock Garden. He previously served as Staff Horticulturist for Stonecrop Gardens in Cold Spring, NY and Garden Manager at Rocky Hills, in Mt. Kisco, a preservation project of the Garden Conservancy.

David Holzman

David Holzman received a Master of Landscape Architecture from the University of Virginia, and a B.A. in Gender Studies from the University of Chicago. He teaches various courses for New York University's Sustainable Urban Environments program on topics ranging from green roofs to urban water. Holzman worked for a variety of design-build and architecture firms before launching his own independent design practice, Peduncle (Pedunclestudio.com). His research and work focuses on urban ecology, low-impact design, and challenging conventional uses and beauty standards for the built environment.

Abby Jaroslow

Abby Jaroslow, HTR, CH manages the Sachs Conservatory at MossRehab. She designed the gardens and developed an extensive and integrated HT program. She collaborates with the treatment teams, serving individuals recovering from Brain and Spinal Cord Injuries, Stroke, Amputation and Complex Neurological Conditions.

Mark Kokinchak

Mark Kokinchak has a degree in Environmental Horticulture from UCONN and has earned a state issued Custom Grounds 3A and Arborist 3D licensing. He has over 35 years of experience in landscaping, tree and shrub maintenance, as well as turf management. His emphasis has been on fertility, cultural practices, and the control of insects and diseases.

Steve Kutos

Steve Kutos is a Ph.D. student in Biological Sciences—Ecology at Fordham University in the Dr. J.D. Lewis lab. His research focuses on how disturbance and the future effects of climate change might tree-soil microbial communities.

George Lozefski

George Lozefski is the Laboratory Manager and Field & Education/Outreach Coordinator at the NYC Urban Soils Institute. As a dedicated and passionate scientist and educator, Lozefski has conducted environmental research at Columbia University's Lamont Doherty Earth Observatory and has been teaching Geoscience courses at Brooklyn College for over 10 years. He conducts soil science and soil testing workshops and provides training in soil quality test evaluations for academic and community settings. He received his B.S. Geology from Queens College, CUNY and a M.A. Environmental Science at Brooklyn College, CUNY.

Dave McConnell

Dave McConnell, BLA, approaches landscape architecture from a fine arts and traditional architecture background. He has been involved with the design and construction of scores of projects throughout the city, including Concrete Plant Park, portions of the Bronx River Greenway and Hudson River Park Greenway, Yankee Stadium, Washington Square Park, Pelham Parkway Malls, and numerous smaller parks and playgrounds.

Adam Molinski

Adam Molinski, PLA, ASLA is a licensed landscape architect and ISA certified arborist. He is a senior designer at Hargreaves Associates and holds a Master of Landscape Architecture from UC Berkeley and a B.S. in Film from Boston University. He has over 6 years of professional experience spanning across the disciplines of landscape architecture, architecture and urban design. He is currently working on the 5.6 Acre \$20 million Carpenter Park in downtown Dallas, Texas.

Anne Meore

Anne Meore, LMSW, HTR, is a licensed Master Social Worker and a registered horticultural therapist. She earned a Certificate in Horticultural Therapy from the New York Botanical Garden in 2007; a Certificate in Permaculture Design from Oregon State University; a BA in Psychology & Elementary Education from Bethany College; an MA in School Guidance Counseling from New York University; and an MSW from Fordham University. Currently, Meore is the Coordinator of the Garden Ministry at Bon Secours Charity Health System and an instructor at The Edible Academy at NYBG; owns Planthropy, LLC; serves on the Board of Directors of the Mid-Atlantic Horticultural Therapy Association, Inc.; and works in the Horticultural Therapy Greenhouse Program at Bergen Regional Medical Center.

Nancy Minich

Nancy A. Minich, HTR, RLA, ASLA, MLA, is a registered horticultural therapist and landscape architect, with a Masters in Landscape Architecture. She is the principal of NAM Planning & Design, LLC, a consulting landscape architecture and horticultural therapy firm focusing on regenerative landscapes and therapeutic program design.

Timothy Nolan

Tim Nolan runs Gardens By Design, a landscape and garden design firm, and works as a horticultural consultant for designers, primarily in New York City and the Hudson Valley. He holds a Horticulture Certificate in Sustainable Garden Design from the New York Botanical Garden.

Julian Picciano

Julian Picciano graduated from Purdue University in 2010 with a degree in Forestry. He spent four years as a climber and plant healthcare technician before becoming a climber/pruner and then a forester with the NYC Parks Department.

Michael Ruggiero

Michael Ruggiero is the horticulturist at Matterhorn Nursery in Spring Valley, N.Y. Former Senior Curator of Horticulture and a long-time instructor at the New York Botanical Garden, he lectures and writes on gardening topics and has authored several books.

Marie Salembier

Marie Salembier is a landscape, planting and ecosystem designer who thrives in creating relationships between living and non-living urban components. Salembier has worked and collaborated on a range of public, commercial and residential projects situated in various climatic regions and utilizing plants from the Northeast, Midwest and Western states of North America as well as Europe, the Mediterranean regions and various zones of Asia.

Vincent Simeone

Vincent Simeone has worked for many years in public horticulture and is currently the Director at Planting Fields Arboretum State Historic Park. He also leads garden tours all over the world with Allan Armitage. Vincent serves on several committees including the Gold Medal Plant Award Committee and the LINLA Landscape Awards Committee. He has just finished his fifth book on garden sustainability, *Grow More with Less*.

Nicholas Storrs

Nick Storrs, Urban Farm Manager at the Randall's Island Urban Farm, grew up on a small subsistence farm in New Hampshire. After receiving a B.A. from McGill University he worked in Brazil and Bolivia growing vegetables and coffee, and later apprenticed at the Last Resort Farm in northern Vermont, producing vegetables for local markets and grocery stores. He is a contributor to the Five Borough Farm Project, an initiative of the Design Trust for Public Space, as well as to research conducted by the Northeast Rice Association in conjunction with Cornell University.

Sean Tarantino

Sean Tarantino has worked at the New York Botanical Garden in the Horticulture-Arboretum and Grounds department for 3+ years. Prior to this, he worked in agricultural education and early childhood education.

Mobee Weinstein

Mobee Weinstein is Foreman of Gardeners at the New York Botanical Garden, holds a BS in Plant Studies from Lehman College, and is a graduate of the School of Professional Horticulture. She is a NOFA-accredited Organic LandCare Professional and has more than 30 years of experience.

Matthew Wichrowski

Matthew Wichrowski, MSW, HTR, has been practicing horticultural therapy at NYU-Langone Medical Center for 20 years, where he is Senior Horticultural Therapist, and a clinical assistant professor of rehabilitation medicine at the NYU School of Medicine. He lectures nationally and internationally and publishes regularly in a variety of media on the effects of nature on human health and well-being, the focus of his research interests. He also co-authored the book, *The Glass Garden: A Therapeutic Oasis in New York City*, which won the 2015 AHTA Publication Award.

Jessica Zavaglia

Jessica Zavaglia began her career as a media buyer in the marketing field. After taking time off to raise a family, she decided to pursue a career in landscape design. Now, with a Certificate in Landscape Design from NYBG, Jessica is co-owner and principal of Zavaglia Associates, a landscape design & development firm serving Westchester County, NYC, and lower Fairfield County, CT.



Horticulture



Develop the vital skills needed to protect and manage sustainable landscapes, maintain healthy trees, design attractive gardens, and produce landscape plants. Enroll in a single class or pursue a Horticulture Certificate.

THE CERTIFICATE PROGRAM

Increasing concerns for environmental quality, conservation, and restoration are driving jobs nationwide at landscaping companies, nurseries and garden centers, public parks, botanical gardens, and private estates. The NYBG Horticulture Certificate is a NY State licensed credential that helps professionals enhance their profiles, and individuals pursue new green careers. Taught by landscape and horticulture experts, the unique program blends classroom theory with field studies in the Garden's historic landscape, offering a high standard of training in four areas of concentration: Plant Production, Sustainable Landscape Management, Arboriculture, and Sustainable Garden Design.

CERTIFICATE REQUIREMENTS

Course	Code	Hours	Page
Plant Production TRACK 1			
Introduction to Plant Science	HRT 300	16	23
Soil Science I: Physical Properties	HRT 301	18	23
Soil Science II: Chemistry and Nutrition	HRT 302	18	23
Horticultural Techniques: Greenhouse Practices	HRT 312 P	15	24
Insect Pests of Landscape Plants**	HRT 381 P	18	—
Plant Propagation I: Basic Principles	HRT 411 P	18	24
Plant Propagation II: Applications	HRT 412 P	13	25
Disease Identification & Management	HRT 481 P	18	24
Nursery and Greenhouse Management**	HRT 491 P	24	—
TOTAL REQUIRED HOURS		158	

Sustainable Landscape Management TRACK 2			
Introduction to Plant Science	HRT 300	16	23
Soil Science I: Physical Properties	HRT 301	18	23
Soil Science II: Chemistry and Nutrition	HRT 302 P	18	23
Horticultural Techniques: Landscape Gardening	HRT 311 P	18	24
Pruning Principles and Practices	HRT 321 P	15	25
Basic Design and Installation of Irrigation Systems**	HRT 323	12	—
Business Practices for the Landscape Professional	LAN 457	12	25
Insect Pests of Landscape Plants**	HRT 381 P	18	—
Tree Management	HRT 422 P	14	25
Landscape Management	HRT 443 P	24	25
Disease Identification & Management	HRT 481 P	18	24
Weed Identification & Management**	HRT 482 P	12	24
Mathematics for Horticulturists**	HRT 356	6	—
TOTAL REQUIRED HOURS		201	



Course	Code	Hours	Page
Arboriculture TRACK 3			
Introduction to Plant Science	HRT 300	16	23
Soil Science I: Physical Properties	HRT 301	18	23
Soil Science II: Chemistry and Nutrition	HRT 302 P	18	23
Tree Climbing for Arborists**	HRT 304	15	—
Chainsaws: Use, Safety, and Maintenance	HRT 308	6	25
Pruning Principles and Practices	HRT 321 P	15	25
Landscape Plants: Fall Trees and Shrubs	HRT 331 P	12	24
Landscape Plants: Conifers	HRT 333 P	12	25
Landscape Plants: Spring Trees and Shrubs**	HRT 334 P	12	—
Insect Pests of Landscape Plants**	HRT 381 P	18	—
Tree Management	HRT 422 P	14	25
Urban Tree Care**	HRT 426 P	12	—
Winter Tree Identification	HRT 440 P	8	25
Disease Identification & Management	HRT 481 P	18	24
TOTAL REQUIRED HOURS		194	

Sustainable Garden Design TRACK 4			
Introduction to Plant Science	HRT 300	16	23
Soil Science I: Physical Properties	HRT 301	18	23
Landscape Plants: Broadleaved Evergreens	HRT 332 P	9	25
Landscape Plants: Spring Trees and Shrubs**	HRT 334 P	12	—
Landscape Plants: Spring Perennials**	HRT 336 P	9	—
Landscape Plants: Late Season Perennials & Grasses	HRT 338 P	12	24
Landscape Plants: Annuals**	HRT 341 P	8	—
Landscape Plants: Bulbs**	HRT 342 P	12	—
Annual and Perennial Garden Maintenance	HRT 344 P	8	25
Plants for Landscaping	HRT 358	16	24
Plant Communities	HRT 140	6	23
Sustainable Garden Care**	HRT 395	8	—
Sustainable Garden Design	HRT 551 P	20	25
Landscape Design History	LAN 301	24	30
Graphics I	LAN 311	24	30
TOTAL REQUIRED HOURS		202	

*Course hours do not include exam hours

**Courses offered in the Spring–Summer Catalog

P Courses with a prerequisite before you can register

For professional organizations, see p. 19.

QUESTIONS? CONTACT PROGRAM COORDINATOR
 CHARLES YURGALEVITCH, PH.D.,
 AT HRTCOORDINATOR@NYBG.ORG

CERTIFICATE CLASSES

Open to Non-Certificate students

INTRODUCTION TO PLANT SCIENCE ALL TRACKS

This user-friendly intro course surveys the major plant groups—flowering plants, conifers, ferns, and bryophytes—focusing on their form and structure. Become botanically literate and gain practical experience in dissecting and analyzing plant structures. | \$395/\$435

4 Mondays & 4 Wednesdays, 1/11–2/8 (no class 1/18), 10:30 am–12:30 pm

Steve Kutos | Online | 213HRT300DO

8 Saturdays, 1/23–3/20 (no class 2/13), 10:30 am–12:30 pm

Manny Grossman | Online | 212HRT300EO

8 Fridays, 2/5–3/26 (no class 2/19), 10 am–12 pm

Leslie Day | Online | 213HRT300GO

SOIL SCIENCE I ALL TRACKS

Soil is a dynamic, living organism and the very foundation of sustainable horticulture and agriculture. This course focuses on the texture, structure, density, and color of different soils and the dynamic relationship that exists among soil, water, and plants. Through lectures and at-home labs, learn irrigation and drainage techniques and explore how soil, organic matter, and microbiology relate to plant health and soil conservation. | \$455/\$495

7 Mondays, 10/5–11/23 (no class 10/12), 10:30 am–1:30 pm

Manny Grossman | Online | 212HRT301AO


6 Saturdays, 1/23–3/6 (no class 2/13), 10:30 am–1:30 pm

George Lozefski | Online | 213HRT301CO

10 Mondays, 2/22–4/26 (no class 3/12), 6–8 pm

Manny Grossman | Online | 213HRT301DO


SOIL SCIENCE II: CHEMISTRY AND NUTRITION TRACKS 1, 2, & 3

This course is for horticulturists and gardeners familiar with the basic culture of perennials. Learn the identifying characteristics, classification, scientific and common names, and landscape uses of 60 summer- and fall-blooming native and non-native perennials and grasses.  Prerequisite: *Intro to Plant Science* | \$395/\$445

6 Tuesdays, 1/12–2/16, 10 am–1 pm

George Lozefski | Online | 213HRT302O

LATE SEASON PERENNIALS & GRASSES TRACK 4

This course is designed for horticulturists and gardeners who are familiar with the basic culture of perennials. Learn the identifying characteristics, classification, scientific and common names, and landscape uses of approximately 60 summer- and fall-blooming native and non-native perennials and grasses. Please dress appropriately for outdoors. Blended class: online and on-site.  Prerequisite: *Intro to Plant Science* | \$295/\$325


3 Wednesdays, 9/23–10/14, 5:30–7:30 pm & 3 Saturdays 9/26, 10/3, 10/17, 10am–12 pm (no class 10/7 or 10/10)

Michael Hagen | NYBG & Online | 211HRT338ABL

4 Tuesdays, 9/29–10/20, 10 am †

Michael Ruggiero | NYBG & Online | 213HRT338BBL

DISEASE IDENTIFICATION & MANAGEMENT TRACKS 1, 2, & 3


Learn common diseases of woody and herbaceous ornamentals and turfgrass, and the cultural, biological, and least-toxic strategies for their control. Blended: online and on-site.  Prerequisite: *Intro to Plant Science* | \$475/\$495

3 Sundays, 10/4–10/25, 10 am–1 pm

& 4 Thursdays, 10/8–10/29, 6:15–8:30 pm

Mark Kokinchak | NYBG & Online | 212HRT481ABL

FALL TREES AND SHRUBS TRACK 3

Explore how to identify and use shade trees and shrubs that are native to and thrive in our region, including *Acer*, *Quercus*, and *Viburnum*, which are particularly ornamental in fall. Blended class: online and on-site  Prerequisite: *Intro to Plant Science* | \$295/\$325

5 Wednesdays, 10/14–11/4, 10 am †

Michael Ruggiero | NYBG & Online | 212HRT331BBL

PLANTS FOR LANDSCAPING TRACK 4

Choose the right plant for the right place, based on site-specific design and maintenance criteria. Learn landscape values such as size, texture, color, and flowering and fruiting seasons. Review trees, shrubs, groundcovers, annuals, and perennials suitable for this region. Blended class: online and on-site | \$395/\$435

6 Wednesdays, 10/14–12/2 (no class 11/11 or 11/25), 10 am †

Timothy Nolan | NYBG & Online | 212HRT358CBL

PLANT PROPAGATION I TRACK 1

Learn principles and techniques of plant propagation by seed and cuttings. Explore basic sexual and asexual propagation, focusing on fruit development, seedling production, root initiation, stem and leaf cuttings, and layering.

 Prerequisite: *Intro to Plant Science* (or Program Coordinator approval) | \$479/\$525

6 Sundays, 10/4–11/15 (no class 10/11), 10 am–1 pm

Nick Storrs | Online | 211HRT411PO


6 Saturdays, 1/23–3/6 (no class 2/13), 10:30 am–1:30 pm

Nick Storrs | Online | 213HRT411AO

6 Thursdays, 1/28–3/4, 10 am–1 pm

Michael Ruggiero | Online | 213HRT411BO


LANDSCAPE GARDENING TRACK 2

Learn the basics of ecologically-appropriate landscape gardening. Topics include soil preparation, efficient watering and fertilization, planting and transplanting, cultivation, and plant maintenance.  Prerequisites: *Intro to Plant Science* and *Soil Science I* | \$455/\$495

9 Thursdays, 9/24–11/19, 4:30 pm †

Mobee Weinstein | NYBG & Online | 211HRT311BL

WEED ID & MANAGEMENT TRACK 2


Examine a variety of methods, including herbicide and non-chemical, for controlling turf and landscape weeds found in residential and commercial sites. Study weed biology, biochemical pathways, equipment calibration and care, as well as seasonal weed control programs.  Prerequisite: *Intro to Plant Science* | \$355/\$395

5 Mondays, 10/5–11/16 (no class 10/12), 4:30–7:30 pm

Erica DeLuca | NYBG & Online | 212HRT482BLS

GREENHOUSE PRACTICES TRACK 1

This intro course covers practical greenhouse skills and integrated management techniques. Topics include structures and equipment, soils and other growing media, irrigation and fertilization, potting and repotting, and cultural practices.

 Prerequisites: *Intro to Plant Science* and *Soil Science I* | \$359/\$395

8 Thursdays, 10/15–12/10 (no class 11/26), 5–7:15 pm

Nick Gershberg | Online | 212HRT312PO

PRUNING PRINCIPLES AND PRACTICES

TRACKS 2 & 3

Through classwork and hands-on practice, develop pruning tools and techniques to help shrubs, conifers, broadleaves, evergreens, and deciduous plants thrive. Explore how woody plant structure and physiology influence pruning. Learn how to create and maintain hedges and explore authentic pollarding techniques. Come dressed for fieldwork, and bring bypass pruners if you have them. Fall classes to be blended: online and on-site.

P Prerequisite: *Intro to Plant Science* | \$385/\$425

6 Thursdays, 10/29–12/10 (no class 11/26), 2 pm †
Bill Logan | NYBG & Online | 212HRT321ABL

6 Tuesdays, 11/3–12/15 (no class 11/24) 10 am †
Bill Logan | NYBG & Online | 212HRT321BBL

6 Fridays, 1/22–2/26, 10 am †
Bill Logan | NYBG & Online | 213HRT321PBL

6 Thursdays, 2/11–3/18, 10 am †
Bill Logan | NYBG & Online | 213HRT321DBL

BROADLEAVED EVERGREENS TRACK 4

Become familiar with the cultural requirements, identifying features, and uses of native and non-native broadleaved evergreens, and incorporate them into both naturalistic and formal landscape settings. Major plant groups studied include *Ilex*, *Rhododendron*, *Buxus*, and evergreen groundcovers. Blended class: online and on-site. **P** Prerequisite: *Intro to Plant Science* | \$219/\$239

4 Sundays, 11/1–11/22, 10:30 am †
Vincent Simeone | NYBG & Online | 212HRT332BL

TREE MANAGEMENT TRACKS 2 & 3

Develop a holistic approach to keep trees healthy and vigorous. Topics include planting and transplanting, pruning, fertilization, root system management, common problems, tree defenses, and lightning protection. **P** Prerequisites: *Pruning Principles and Practices* and *Soil Science II* | \$335/\$369

7 Wednesdays, 1/6–2/17, & Monday, 1/11, 1–3 pm
Wayne Cahilly | NYBG & Online | 213HRT422S

PLANT PROPAGATION II TRACK 1

Learn to work with plants that are difficult to propagate by seed or cuttings. Subjects include advanced seed propagation and techniques of grafting, budding, and micro-propagation. Learn tissue culture at NYBG's Pfizer Laboratory, and tour a retail nursery for a hands-on grafting project.

P Prerequisite: *Plant Propagation I* | \$425/\$469

4 Wednesdays, 1/27–2/17, 5:30–7:30 pm &
Sunday, 2/28, 10:30 am–2:30 pm
Mobe Weinstein | NYBG & Online | 213HRT412BL

BUSINESS PRACTICES FOR THE LANDSCAPE PROFESSIONAL TRACK 2

Explore how to effectively organize and operate a small landscape business that will sustain itself and earn a profit. We will discuss how to attract new clients, position oneself in a crowded market and choose the right type of business model. Gain experience in preparing proposals and contracts, pricing services and materials, and creating budgets. You will walk away from this class with a basic plan to guide you in creating a successful business. | \$295/\$305

6 Wednesdays, 10/7–11/18 (no class 11/11),
10:15 am–12:15 pm

Jessica Zavaglia | Online | 212LAN457AO

6 Thursdays, 2/25–4/1, 10:15 am–12:15 pm
Jessica Zavaglia | Online | 213LAN457BO

WINTER TREE IDENTIFICATION TRACK 3

Learn basic winter tree identification using dormant-season characteristics of deciduous plants as well as conifers. Dress for the weather. Blended class: online and on-site. **P** Prerequisite: *Intro to Plant Science* | \$295/\$325

4 Thursdays, 1/14–2/4, 1 pm †
Bill Logan | NYBG & Online | 213HRT440BL

CHAINSAWS: USE, SAFETY, AND MAINTENANCE TRACK 3

Whether you are a budding arborist or weekend woodcutter, knowing how to use your chainsaw safely and maintain it properly are critical skills. An ISA-certified arborist teaches you the basics of chainsaw use and care, sharpening, and bar tensioning. No chainsaw will be handled in class. \$145/\$159

3 Sundays, 1/31–2/21, (no class 2/14),
10 am–12:10 pm

Julian Picciano | Online | 213HRT308O

ANNUAL AND PERENNIAL GARDEN MAINTENANCE TRACK 4

Manage annual and perennial gardens with a variety of practices: soil and weed management, watering, pest identification and control, and seasonal clean-up. Develop a management plan for a small perennial garden. **P** Prerequisites: *Soil Science I* and *Plants for Landscaping or Late Season Perennials & Grasses* | \$195/\$215

4 Sundays, 1/24–2/21 (no class 2/14),
10 am–12 pm

Sean Tarantino | NYBG & Online | 213HRT344BL

CONIFERS TRACK 3

Learn to identify, classify, and use the best regional native and non-native conifers for naturalistic and formal landscape designs. **P** Prerequisite: *Intro to Plant Science* | \$295/\$325

5 Wednesdays, 2/3–3/3, 2 pm †

Michael Ruggiero | NYBG & Online | 213HRT333BL

SUSTAINABLE GARDEN DESIGN TRACK 4

This studio-oriented course covers basic site analysis, planting plans, and color schemes (analogous or sequential, complementary, and monochrome). Presentations, discussions, and design projects combine practical information with theoretical garden design. **P** Prerequisites: *Graphics I*, *Annuals*, *Spring Perennials*, and *Late Season Perennials & Grasses* | \$485/\$535

7 Mondays, 2/22–4/5, 6–8:50 pm

Marie Salembier | Online | 213HRT551O

LANDSCAPE MANAGEMENT TRACK 2

Examine sustainable techniques for managing and maintaining commercial and residential landscapes. Develop programs that reduce adverse effects on the environment, including alternative approaches to conventional lawn management. **P** Prerequisites: *Intro to Plant Science* and *Soil Science II* | \$579/\$635

8 Thursdays, 2/25–4/15, 4:30–7:10 pm

David Laswell | NYBG & Online | 213HRT443BL

CERTIFICATION EXAM**30-HOUR PREPARATION FOR PESTICIDE APPLICATOR CERTIFICATION EXAMINATION**

Prepare for the Core (Basic) and Category 3 (Ornamentals and Turf) exams New York State Department of Environmental Conservation requires of all pesticide applicators. We'll cover handling, use, storage, and application of pesticides; safety and environmental considerations; and insects and diseases. You must purchase several manuals, and must have either three years of work experience or at least 30 hours of class instruction to be eligible to take these exams. DEC CEUs available. | \$715/\$785

7 Tuesdays & 6 Thursdays, 1/5–2/16

(no class 1/26), 4:15–6:45 pm
Shawn Spencer | NYBG & Online
213HRT357BLS

Horticultural Therapy



If you have a passion for plants and helping people, then pursue horticultural therapy and learn how to bring people and the natural environment together for healing purposes. Acquire the therapeutic skills and horticultural techniques needed to serve a broad population of people in need. Enroll in a single class or pursue a Horticultural Therapy Certificate.

THE CERTIFICATE PROGRAM

Respected nationwide, the NYBG Horticultural Therapy Certificate Program helps students begin or complement their careers through an in-depth exploration of skills and innovative methods that use plants and the growing environment to heal and rehabilitate people. Practicing horticultural therapists train students to design, implement, and operate programs for individuals and groups across a variety of health care settings and human services programs.

Upon completion of the program, students will:

- Understand the characteristics and etiologies of the various populations served by horticultural therapy.
- Demonstrate skills in goal setting, activity planning, risk management, evaluation methods, plant selection, and accessible design.
- Prepare proposals to deliver horticultural therapy programs in various venues, including public settings, not-for-profit organizations, private companies, and independent contracting services.

CERTIFICATE REQUIREMENTS

Certificate students must complete 189 course hours, 8 site visit hours, and a 100-hour internship. After completing a minimum of six Horticultural Therapy courses, students should contact the Program Coordinator to arrange their internship.

Course	Code	Hours	Page
Introduction to Horticultural Therapy	THR 301	15	27
Horticultural Therapy for Exceptional Youth	THR 402 P	15	27
Horticultural Therapy for Physical Rehabilitation	THR 403 P	15	27
Horticultural Therapy for Older Adults	THR 401 P	15	27
Fundamentals of Gardening	GAR 301	12	19
Horticultural Therapy in Behavioral Health Settings**	THR 404 P	15	—
Horticultural Therapy Methods and Materials**	THR 406 P	15	—
Activities Analysis for Horticultural Therapy	THR 407 P	15	27
Introduction to Plant Science	HRT 300	16	23
Plant Propagation I: Basic Principles	HRT 411 P	18	24
Garden Design for Special Populations	THR 408 P	15	27
Horticultural Therapy Program Management**	THR 409 P	15	—
Horticultural Therapy Site Visits (see note below)		8	—
TOTAL REQUIRED HOURS		189	

Site Visits—During the pandemic, we have suspended trips to observe working programs at hospitals and other institutions. Site visits remain a Certificate requirement, and we plan to resume scheduling them as soon as it is safe to do so.

**Courses offered in the Spring–Summer Catalog

P Courses with a prerequisite before you can register

Phyllis D'Amico, HTM, Program Coordinator

Anne Meore, HTR, Program Advisor

QUESTIONS? CONTACT PROGRAM COORDINATOR
PHYLLIS D'AMICO, HTM, AT THRCOORDINATOR@NYBG.ORG



INTRODUCTION TO HORTICULTURAL THERAPY

Explore the plant-people relationships and scientific research that are the foundations of horticultural therapy. Review current hort therapy programs, and the cognitive, physical, psychological, and social benefits of plants and plant-related activities for various populations. Build disability awareness and therapeutic skills. | \$375/\$415

3 Wednesdays and 3 Fridays, 10/7–10/23, 9–11:30 am
Anne Meore, HTR | Online | 212THR301AO

3 Saturdays, 1/9–1/30 (no class 1/16), 9–11:30 am &
3 Tuesdays, 1/12–1/26, 5–7:30 pm
Anne Meore, HTR | Online | 213THR301BO

HORTICULTURAL THERAPY FOR OLDER ADULTS

Older adults present an increasing need for therapeutic services. Learn the physical, sensory, cognitive, psychological, and social aspects of aging, and how horticulture can be an important component of geriatric care.

P Prerequisite: *Introduction to Horticultural Therapy* | \$419/\$459

4 Wednesdays & 2 Mondays, 9/16–10/7 (no class 9/28), 6:30–9 pm
Abby Jaroslow, HTR | Online | 211THR401O

HORTICULTURAL THERAPY FOR EXCEPTIONAL YOUTH

Gain insights into the causes and characteristics of developmental, sensory, physical, behavioral, and learning disabilities in children and adolescents with special needs. Learn to implement horticultural therapies that meet a range of goals in programs for preschool through high school. Explore brain-based research, and activities that can improve perceptual development and the learning process. **P** Prerequisite: *Introduction to Horticultural Therapy* | \$419/\$459

3 Tuesdays & 3 Thursdays, 10/13–10/29, 6–8:30 pm
Phyllis D'Amico, HTM | Online | 212THR402O

HORTICULTURAL THERAPY FOR PHYSICAL REHABILITATION

Sharpen your clinical skills while learning how horticultural therapy can enhance physical rehabilitation. Explore the team treatment process and the various conditions treated in this setting. Learn about etiology, diagnosis, and psychosocial effects, and the horticultural therapist's role in assessing, documenting, and developing treatment goals and objectives. Review case studies and develop treatment plans. **P** Prerequisite: *Introduction to Horticultural Therapy* | \$419/\$459

6 Saturdays, 11/7–12/19 (no class 11/28), 10 am–12:30 pm
Matthew Wichrowski, HTR | Online | 212THR403O

GARDEN DESIGN FOR SPECIAL POPULATIONS

Learn the latest research in therapeutic garden design, common design principles, and the issues and accommodations needed to create, renovate, and evaluate effective gardens for groups with special needs. **P** *Horticultural Therapy for Physical Rehabilitation*. | \$419/\$459

3 Mondays & 3 Wednesdays, 1/11–2/1 (no class 1/18), 5:30–8 pm
Nancy Minich, HTR, RLA | Online | 213THR408O

ACTIVITIES ANALYSIS FOR HORTICULTURAL THERAPY

Learn how to structure horticultural therapy activities so a client's progress can be clearly measured and assessed. You will develop a needs assessment and activity plan, write specific goals with measurable objectives, and practice leadership skills needed to work with groups and individuals. **P** Prerequisite: *Horticultural Therapy for Physical Rehabilitation* | \$419/\$459

3 Wednesdays, 2/17–3/3, 6:30–9 pm &
3 Saturdays, 2/20–3/6, 10 am–12:30 pm
Abby Jaroslow, HTR | Online | 213THR407O

Landscape Design



The need to develop, preserve, and protect our open spaces and environmental and cultural resources has never been greater. NYBG's engaging, career-oriented program gives you a solid, plant-focused foundation. Take a single class for pleasure or pursue a professional Certificate in Landscape Design.

THE CERTIFICATE PROGRAM

Whether you're changing careers or taking yours to the next level, the NYBG Landscape Design Certificate distinguishes your portfolio and showcases your development as a creative professional. And that puts you ahead—with colleagues, employers, and clients. Outstanding instructors who are working professionals guide you through a comprehensive program, where you will:

- Analyze existing landscapes, identify site-specific problems, and develop design solutions.
- Prepare planting plans that are practical, sustainable, and aesthetically pleasing for a variety of projects.
- Demonstrate skills associated with site engineering practices, principles, and techniques.
- Develop strategies for professional success using business skills in preparing proposals, pricing, purchasing, and more.

CERTIFICATE REQUIREMENTS

Course	Code	Hours	Page
TIER 1— Introductory Classes			
Landscape Design History	LAN 301	24	30
Graphics I	LAN 311	24	30
Landscape Measurement**	LAN 340 P	12	—
Landscape Plants: Fall Trees and Shrubs	HRT 331 P	12	24
Landscape Plants: Spring Trees and Shrubs**	HRT 334 P	12	—
Plants for Landscaping	HRT 358	16	24
TIER 2			
Landscape Design I: Site Analysis and Schematic Design	LAN 401 P	24	30
Landscape Design II: Design Development	LAN 402 P	24	30
Estimating	LAN 380 P	9	30
Graphics II**	LAN 411 P	24	—
Site Materials and Details	LAN 422 P	24	30
TIER 3			
Grading & Drainage	LAN 421 P	24	30
Graphics III	LAN 417 P	24	30
Landscape Design III: Planting Design	LAN 403 P	24	30
Business Practices for Landscape Professional	LAN 457	12	30
Landscape Design IV: Design and Construction**	LAN 520 P	33	—
Portfolio and Presentation Skills	LAN 555 P	15	30
TOTAL REQUIRED HOURS		337	

*Course hours do not include exam hours

**Courses offered in the Spring–Summer Catalog

P Courses with a prerequisite before you can register

For professional organizations, see p. 19.

QUESTIONS? CONTACT PROGRAM COORDINATOR
SUSAN COHEN AT LANCOORDINATOR@NYBG.ORG

**STUDENT INFORMATION**

In addition to the course fees listed, students should anticipate spending approximately \$700 on class materials while completing their Certificate. Students should expect that homework will be assigned in most courses.

**LANDSCAPE DESIGN HISTORY**

This course is also required for the Horticulture Certificate TRACK 4.

Explore theories, traditions, and principles that have shaped of landscape design from antiquity to the present, through visual presentations, assigned readings, projects, and classroom discussion. | \$595/\$655

Certificate Requirement

9 Thursdays, 2/4–4/1, 6:15–9:15 pm
Mark Bunnell, RLA | Online | 213LAN301DO

LANDSCAPE DESIGN I: SITE ANALYSIS AND SCHEMATIC DESIGN

Turning a vision into a plan is the designer's first challenge. Analyze landscapes, formulate the requirements of a design project and then translate them into schematic design solutions. Take part in class discussions and critiques, and present projects. Extensive out-of-class design homework required. **P** Prerequisite: *Landscape Design History and Graphics I* | \$575/\$635 *Certificate Requirement*

8 Mondays, 2/1–3/29 (no class 2/15), 6:15–9:15 pm
David Holzman | Online | 213LAN401O

LANDSCAPE DESIGN II: DESIGN DEVELOPMENT

Apply basic design to site-specific problems, focusing on the process of design development. Start with a concept, then progress through the schematic phase to a preliminary design solution. Examine the relationships of landscape elements and materials to the design process. **P** Prerequisite: *Landscape Design I and Graphics II* | \$575/\$635 *Certificate Requirement*

8 Wednesdays, 3/17–5/5, 6:15–9:15 pm
David McConnell | Online | 213LAN402AO

GRAPHICS III

Build and expand your graphic presentation skills to create professional presentations for clients with Trimble SketchUp, a 3D sketching software program. Laptop computers (PC or Mac) with SketchUp are required. **P** Prerequisite: *Graphics II* | \$595/\$655 *Certificate Requirement*

8 Thursdays, 10/1–11/19, 10 am–1 pm
William Harris Einhorn, RLA | Online | 212LAN417O

LANDSCAPE DESIGN III: PLANTING DESIGN

Through a series of design assignments, prepare a variety of planting plans that are practical, appropriate, and aesthetically satisfying. Explore the significance of site conditions as well as plant form, texture, color, and ecological associations. **P** Prerequisite: *Landscape Design II, Graphics III, and Plants for Landscaping*. Recommended: *Landscape Plants: Fall Trees and Shrubs* and *Landscape Plants: Spring Trees and Shrubs* | \$575/\$635 Certificate Requirement

8 Wednesdays, 1/13–3/3, 2–5 pm
Stacie Ellickson | Online | 213LAN403O

NEW! BUSINESS PRACTICES FOR THE LANDSCAPE PROFESSIONAL

Explore how to effectively organize and operate a small landscape business that will sustain itself and earn a profit. We will discuss how to attract new clients, position oneself in a crowded market and choose the right type of business model. Gain experience in preparing proposals and contracts, pricing services and materials, and creating budgets. You will walk away from this class with a basic plan to guide you in creating a successful business. \$295/\$305

6 Wednesdays, 10/7–11/18 (no class 11/11), 10:15 am–12:15 pm
Jessica Zavaglia | Online | 212LAN457AO

6 Thursdays, 2/25–4/1, 10:15 am–12:15 pm
Jessica Zavaglia | Online | 213LAN457BO

GRADING & DRAINAGE

Through discussion, fieldwork and homework, students will identify landforms and watersheds, calculate slopes, and manipulate contours to create garden rooms and control water flow. Learn how to communicate design ideas to contractors and evaluate the opportunities and constraints of a project site.

P Prerequisite: *Landscape Measurement, Landscape Design I, and Graphics II* | \$575/\$635 Certificate Requirement

5 Wednesdays, 10/14–11/11, 5:30–7:30 pm &
5 Fridays, 10/16–11/13 (Rain date 11/20), 10 am–1 pm
Alice Eckerson | NYBG & Online | 212LAN428ABL

ESTIMATING

Learn how accurately estimating landscape materials, labor, overhead, and contingencies can help you stay profitable and compete successfully in today's business climate. **P** Prerequisite: *Landscape Design II* | \$219/\$239 Certificate Requirement

4 Fridays, 1/15–2/5, 10 am–12:15 pm
Alice Eckerson | Online | 213LAN380O

PORTFOLIO AND PRESENTATION SKILLS

Create visually compelling print and digital portfolios to present to potential clients. Learn how to develop professional documentation for a variety of audiences through in-class design charrettes and individualized projects.

P Prerequisite: *Landscape Design III* | \$379/\$415 Certificate Requirement

7 Tuesdays, 3/9–4/20, 6:30–8:40 pm
Adam Molinski | Online | 213LAN555O



Academic Policies & Procedures

COURSES WITH PREREQUISITES

In order to register for courses with prerequisites, students must have received a passing grade in the prerequisite course(s)

SCHOOL POLICIES FOR CERTIFICATE PROGRAMS

The Director and Program Coordinators formulate policy regarding standards of student performance, including awarding Certificates, rules of conduct, and student appeals. Please contact Director with any questions or concerns at 718.817.8595.

Satisfactory Academic Progress Policy:

Student progress is measured by grades.

Grade	GPA	Percentile
A	4.0	94–100
A-	3.7	90–93
B+	3.3	87–89
B	3.0	83–86
B-	2.7	80–82
C+	2.3	77–79
C	2.0	73–76
C-	1.7	70–72
D+	1.3	67–69
D	1.0	60–66
F	0	0–59
NC	0	NO CREDIT

Students must maintain a cumulative weighted average of 70% on a 100% scale, and must pass all courses with a minimum grade of 60%. All students are required to complete a minimum of 90% of their cumulative registered clock hours. Students who do not meet the 90% cumulative completion percentage will be placed on probation. Courses for which a student receives a letter grade of A, A-, B+, B, B-, C+, C, C-, D+, D, and P (passing) are included in the calculation of cumulative clock hour completion percentage as courses successfully completed.

Courses for which a student receives a letter grade of INC and F will be treated as courses attempted, but not successfully completed. Students are required to meet these minimum standards at each point of their program evaluation. A student must repeat a course and earn a passing grade in order to fulfill the Certificate requirements; additional course materials will be charged at cost.

All coursework (final exams, papers, projects) must be completed on time unless the instructor grants additional time for extenuating circumstances.

Entrance Requirements

To be admitted to the Program, students must be 18 years of age at the time of entrance, and must possess at least a high school or a New York State equivalency diploma.

Previous Education Credit

A student may qualify for course exemption by completing college courses taken for degree credit from an accredited college or university, evaluated non-collegiate sponsored instruction, or proficiency exams.

Students who wish to be granted exemption from a required course must:

- 1) Complete the Course Exemption Request Form
- 2) Present transcripts showing an earned grade of C or higher
- 3) Present the course outline, syllabus, and/or relevant supporting documentation.

The School will then evaluate these submissions and make a decision on course exemption. If a student is exempted from the course, s/he is required to take an equal number of hours of an approved elective course to complete the Certificate.

Attendance

On-time attendance is required at all classes. Unexcused tardiness and absences are not accepted and will be evaluated on a case-by-case basis.

A student who is absent from a class without adequate reason may be assigned a failing grade. Absences due to serious illness or death within a student's family are recognized as excused absences. To validate such absences, the student should present evidence to the Director, who will then provide a letter of verification to all of the student's instructors for the term.

Makeup quizzes and exams must be requested by the student and will be scheduled at the instructor's discretion. Deficiency in any required work resulting from absence from class must be made up at the student's own expense to satisfy the instructor.

Tardiness Policy

Students are expected to be in class on time. Any student who is tardy more than three times shall be required to speak with the Director.

Leave of Absence Policy

In the case of a prolonged illness or accident, death in the family, or other special circumstances that make attendance impossible or impractical, a leave of absence may be granted to the student if requested in writing by the student with the specific reason for the leave request. It should include the approximate length of the requested leave. The approval of such leaves of absence shall be in writing by the School Director.

When a student returns from an approved leave of absence, s/he will be placed in the instructional program at the point commensurate with the skill level retained by the student at the time of his/her return. The School will assess this skill level in a counseling session with the student, or by employing a written or oral evaluation.

Student Withdrawal Policy

Students who wish to withdraw should meet with the School Director to review their progress and options for completing their education at the School at a later date. Approval for return to the program will be determined based on course schedule and other factors at the discretion of the School.

Student Conduct

Students are expected to establish good working relationships with their instructors, fellow students, and all other members of the Garden's staff. It is the policy of the School to treat all students equitably and to administer all policies, procedures, and rules and regulations consistently. When a student's performance is unsatisfactory or when students violate the policies and procedures of the School, the type of discipline selected will depend on the severity of the offense. Where warranted, the Director may elect to impose a suspension or termination whether or not there has been prior disciplinary action.

A student who wishes to appeal may present his/her case to the Director.

Certificate Requirements

- Certificate requirements are those stated in the catalog from which the student first registered for a Certificate course.
- To qualify for a Certificate, students must receive passing grades in all required courses.
- A student has six (6) years from the start of their first required course, to complete a Certificate.

Certificate Graduation Ceremony

The 2021 ceremony will be held on Sunday, June 6. If you expect to complete your Certificate requirements or enroll in all remaining classes by June this year, you must inform the Manager of Student Services in writing at adultedgraduation@nybg.org by March 27.

You will be informed if you are eligible for a Certificate by April 19. Call the Registration Office at 718.817.8720 with any questions.

Transcripts

Official (\$4 each) and Unofficial transcripts (free) are available from the Registration Office year-round. Official transcripts must be requested in writing, including the name and address of the institution to which the transcript is being mailed. Transcripts are mailed within two (2) weeks and a copy is sent to the student.

Privacy

The School of Horticulture and Landscape Design complies with the Federal Education Rights and Privacy Act of 1974. The following categories of information concerning individual students and former students may be made available to the general public: name, attendance dates, telephone listing, date and place of birth, field of study, and previous education institutions attended by the student. Students may request that any of the above information not be released without his/her prior consent.

WHAT YOU SHOULD KNOW ABOUT STATE LICENSED PRIVATE SCHOOLS

The School of Horticulture and Landscape Design—which includes three programs: Horticulture, Horticultural Therapy, and Landscape Design—is licensed by the New York State Department of Education. Licensure under the state recognizes the Certificate Programs in Horticulture, Horticultural Therapy, and Landscape Design as high quality and career oriented.

Licensed private career schools offer curricula measured in clock hours, not credit hours. Certificates of completion are issued to students who meet clock hour requirements. The granting of any college credit to students who participate in and/or complete a program at a licensed private career school is solely at the discretion of the institution of higher education that the student may opt to subsequently attend.

Students of Licensed Private Schools in the State of New York have the right to file a complaint with the New York State Education Department if they believe that the School or anyone representing the School has acted unlawfully. Students may make complaints about the conduct of the school, advertising, standards and methods of instruction, equipment, facilities, qualifications of teaching and management personnel, enrollment agreement, methods of collecting tuition, School license or registration, School and student records, private School agents, and other charges.

To file a complaint, students should submit a letter in writing to the Director of Adult Education at lwhitmer@nybg.org

If that proves unsatisfactory, they may write to the New York State Education Department's Bureau of Proprietary School Supervision at 116 West 32nd Street, 5th Floor, New York, NY 10001, or call the Department at 212.643.4760, requesting an interview for the purpose of filing a written complaint. All relevant documents must be brought to the interview. If you cannot attend an interview, send a letter or call the Bureau to request a complaint form. You must complete and sign the form and mail it to the Bureau, including copies of all relevant documents. The Bureau cannot investigate any complaint made more than two years after the date of alleged occurrence.

Professional Societies, and Academic Programs

Landscape Design Students and Alumni Association (LDSA)

LDSA encourages a dynamic exchange of information among students, faculty, and alumni. It provides networking opportunities as well as an indispensable Q&A service via a Yahoo Group available to all members. Monthly meetings feature guest speakers and informal design critiques, and are focused on topics that extend beyond the classroom into the professional arena. All students and alumni in Landscape Design and Horticulture are invited to attend. Call Elaine Yellen at 914.723.4090 for details or drop by one of scheduled our meetings.

American Horticultural Therapy Association (AHTA)

The AHTA promotes the development of horticultural therapy programming throughout the United States. Their mission is to help the profession gain visibility. The AHTA also administers a voluntary professional registration program that lists accredited horticultural therapists. For more info, visit ahta.org

Association of Professional Landscape Designers (APLD)

The APLD advances landscape design as a career and promotes the recognition of landscape designers as qualified professionals. It has established a set of rigorous standards that must be met to become certified. Student memberships are available for those actively enrolled in a landscape design or horticulture program. For more information visit apld.org

Department of Environmental Conservation (DEC)

The New York State Department of Environmental Conservation (DEC) requires commercial pesticide applicators to take a 30-hour course such as Preparation for Pesticide Applicator Certification Examination (HRT 357) offered at the Garden, and pass a State-administered exam. Applicators must periodically apply for recertification and complete a number of courses that the DEC and the New Jersey State Department of Environmental Protection (DEP) have approved for recertification credits.

Northeast Organic Farming Association (NOFA)

NOFA offers CEUs to Accredited Organic Land Care Professionals (AOLCPs) who have made a commitment to practice in accordance with NOFA Organic Land Care Standards, to pursue ongoing education in methodology, and to create ecologically sound landscapes and living environments for their clients. For more information, visit nofa.org

The New York Botanical Garden & Bronx Community College Associate Degree Program

NYBG and Bronx Community College offer an Associate Degree program. The first year of the program is offered at BCC where students take academic courses. The second year is spent at NYBG, where students take academic courses and work in horticulture. For more information, contact NYBG at 718.817.8720 or Adijat Adebola at adijat.adebola@bbc.cuny.edu or 718.289.5538.



Tuition and Fees

Program	Tuition	Non-Refundable Registration Fee	Total
Horticulture: Plant Production: Track 1	\$4,343	\$100	\$4,443
Horticulture: Sustainable Landscape Management: Track 2	\$5,467	\$100	\$5,567
Horticulture: Arboriculture: Track 3	\$5,362	\$100	\$5,462
Horticulture: Sustainable Garden Design: Track 4	\$5,323	\$100	\$5,423
Horticultural Therapy	\$5,662	\$100	\$5,762
Landscape Design	\$9,077	\$100	\$9,177

Refunds and Withdrawals

No discounts will be granted for missed classes. A 100% refund will be issued if your class is cancelled due to low enrollment. A student who cancels within 7 days of signing the enrollment agreement receives all monies returned with the exception of the non-refundable registration fee. Thereafter, a student will be liable for all of the following:

1. the non-refundable registration fee
2. the cost of any textbook or supplies accepted
3. tuition liability as of the student's last date of physical attendance

Because students pay tuition on a class-by-class basis, tuition liability is based on the cost of each individual class. Total tuition liability is limited to the quarter during which the student withdrew or was terminated and any previous quarters completed.

The charts below indicates what % of the student's tuition the school may keep, based on when the student withdraws or is terminated.

FOR COURSES LONGER THAN 6 WEEKS

First Quarter	% of tuition the school may keep	% of tuition the student is due
Prior to or during the first week	0%	100%
During the second week	25%	75%
During the third week	50%	50%
During the fourth week	75%	25%
After the fourth week	100%	0%
Subsequent Quarters		
During the first week	25%	75%
During the second week	50%	50%
During the third week	75%	25%
After the third week	100%	0%

FOR COURSES 6 WEEKS OR LESS

	% of tuition the school may keep	% of tuition the student is due
0–15% of the program complete	0%	100%
16–30% of the program complete	25%	75%
31–45% of the program complete	50%	50%
46–60% of the program complete	75%	25%
More than 60% of the program complete	100%	0%

To withdraw from a class and request a refund, please contact the Director at lwhitmer@nybg.org or 718.817.8595. The failure of a student to immediately notify the Director in writing of the student's intent to withdraw may delay a refund of tuition to the student pursuant to Section 5002(3) of the Education Law.

Weekly Student Liability Chart

Horticulture Track 1 – Plant Production

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

FIRST QUARTER	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Intro to Plant Science	\$435	\$326.25	\$217.50	\$108.75	\$0

SUBSEQUENT QUARTERS	During the first week	During the second week	During the third week	After the third week
Soil Science I	\$371.25	\$247.50	\$123.75	\$0
Disease Identification and Management	\$371.25	\$247.50	\$123.75	\$0
Plant Propagation I: Basic Principles	\$393.75	\$262.50	\$131.25	\$0
Nursery and Greenhouse Measurement	\$453.75	\$302.50	\$151.25	\$0
Horticultural Techniques: Greenhouse Practices	\$296.25	\$197.50	\$98.75	\$0
Soil Science II	\$333.75	\$222.50	\$111.25	\$0
Plant Propagation II: Applications	\$351.75	\$234.50	\$117.25	\$0
Insect Pests of Landscape Plants	\$359.25	\$239.50	\$119.75	\$0



Weekly Student Liability Chart

Horticulture Track 2 – Sustainable Landscape Management

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

FIRST QUARTER

	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Intro to Plant Science	\$435	\$326.25	\$217.50	\$108.75	\$0

SUBSEQUENT QUARTERS

	During the first week	During the second week	During the third week	After the third week
Soil Science I	\$371.25	\$247.50	\$123.75	\$0
Mathematics for Horticulturalists	\$123.75	\$82.50	\$41.25	\$0
Horticultural Techniques: Landscape Gardening	\$371.25	\$247.50	\$123.75	\$0
Weed Identification and Management	\$296.25	\$197.50	\$98.75	\$0
Insect Pests of Landscape Plants	\$371.25	\$247.50	\$123.75	\$0
Soil Science II	\$333.75	\$222.50	\$111.25	\$0
Disease Identification and Management	\$371.25	\$247.50	\$123.75	\$0
Landscape Management	\$476.25	\$317.50	\$158.75	\$0
Pruning Principles and Practices	\$318.75	\$212.50	\$106.25	\$0
Basic Design and Irrigation Systems	\$246.75	\$164.50	\$82.25	\$0
Starting a Small Landscaping Business	\$228.75	\$152.50	\$76.25	\$0
Tree Management	\$276.75	\$184.50	\$92.25	\$0

Weekly Student Liability Chart

Horticulture Track 3 – Arboriculture

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

FIRST QUARTER	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Intro to Plant Science	\$435	\$326.25	\$217.50	\$108.75	\$0

SUBSEQUENT QUARTERS	During the first week	During the second week	During the third week	After the third week
Soil Science I	\$371.25	\$247.50	\$123.75	\$0
Disease ID	\$371.25	\$247.50	\$123.75	\$0
Landscape Plants: Fall Trees and Shrubs	\$371.25	\$247.50	\$123.75	\$0
Pruning Principles and Practices	\$243.75	\$162.50	\$81.25	\$0
Soil Science II	\$333.75	\$222.50	\$111.25	\$0
Winter Tree Identification	\$333.75	\$222.50	\$111.25	\$0
Landscape Plants: Conifers	\$243.75	\$162.50	\$81.25	\$0
Chainsaws: Use, Safety, and Maintenance	\$243.75	\$162.50	\$81.25	\$0
Landscape Plants: Spring Trees and Shrubs	\$119.25	\$79.50	\$39.75	\$0
Insect Pests of Landscape Plants	\$359.25	\$239.50	\$119.75	\$0
Urban Tree Care	\$359.25	\$239.50	\$119.75	\$0
Tree Climbing for Arborists	\$243.75	\$162.50	\$81.25	\$0
Tree Management	\$326.25	\$217.50	\$108.75	\$0

Weekly Student Liability Chart

Horticulture Track 4 – Sustainable Garden Design

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

FIRST QUARTER	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Intro to Plant Science	\$435	\$326.25	\$217.50	\$108.75	\$0

SUBSEQUENT QUARTERS	During the first week	During the second week	During the third week	After the third week
Soil Science I	\$371.25	\$247.50	\$123.75	\$0
Late Season Perennials & Grasses	\$243.75	\$162.50	\$81.25	\$0
Landscape Design History	\$491.25	\$327.50	\$163.75	\$0
Plants for Landscaping	\$326.25	\$217.50	\$108.75	\$0
Broadleaved Evergreens	\$179.25	\$119.50	\$59.75	\$0
Graphics 1	\$491.25	\$327.50	\$163.75	\$0
Plant Communities	\$138.75	\$92.50	\$46.25	\$0
Annual and Perennial Garden Maintenance	\$161.25	\$107.50	\$53.75	\$0
Bulbs	\$221.25	\$147.50	\$73.75	\$0
Spring Trees and Shrubs	\$221.25	\$147.50	\$73.75	\$0
Spring Perennials	\$164.25	\$109.50	\$54.75	\$0
Annuals	\$146.25	\$97.50	\$48.75	\$0
Sustainable Garden Care	\$146.25	\$97.50	\$48.75	\$0
Sustainable Garden Design	\$363.75	\$242.50	\$121.25	\$0

Weekly Student Liability Chart

Horticultural Therapy

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

COURSES SIX (6) WEEKS OR LESS	1–15% complete	16–30% complete	31–45% complete	46–60% complete	more than 60% complete
Introduction to Horticultural Therapy	\$415	\$311.25	\$207.50	\$103.75	\$0
Horticultural Therapy for Exceptional Youth	\$459	\$344.25	\$229.50	\$114.75	\$0
Horticultural Therapy for Physical Rehabilitation	\$459	\$344.25	\$229.50	\$114.75	\$0
Horticultural Therapy for Older Adults	\$459	\$344.25	\$229.50	\$114.75	\$0
Horticultural Therapy in Behavioral Health Settings	\$459	\$344.25	\$229.50	\$114.75	\$0
Activities Analysis for Horticultural Therapy	\$459	\$344.25	\$229.50	\$114.75	\$0
Garden Design for Special Populations	\$459	\$344.25	\$229.50	\$114.75	\$0
Horticultural Therapy Methods and Materials	\$459	\$344.25	\$229.50	\$114.75	\$0
Horticultural Therapy Program Management	\$459	\$344.25	\$229.50	\$114.75	\$0

COURSES LONGER THAN SIX (6) WEEKS	During the first week	During the second week	During the third week	After the third week
Fundamentals of Gardening	\$243.75	\$162.50	\$81.25	\$0
Introduction to Plant Science	\$326.25	\$217.50	\$108.75	\$0
Plant Propagation I: Basic Principles	\$359.25	\$239.50	\$119.75	\$0

Weekly Student Liability Chart

Landscape Design

The charts below indicate how much a refund would be in the event that a student had to withdraw or cancel their enrollment of particular courses during the program.

FIRST QUARTER	Prior to or during the first week	During the second week	During the third week	During the fourth week	After the fourth week
Landscape Design History	\$655	\$491.25	\$327.50	\$163.75	\$0

SUBSEQUENT QUARTERS	During the first week	During the second week	During the third week	After the third week
Graphics 1	\$491.25	\$327.50	\$163.75	\$0
Fall Trees and Shrubs	\$243.75	\$162.50	\$81.25	\$0
Plants for Landscaping	\$326.25	\$217.50	\$108.75	\$0
Landscape Design 1	\$476.25	\$317.50	\$158.75	\$0
Graphics 2	\$491.25	\$327.50	\$163.75	\$0
Site Materials and Details	\$476.25	\$317.50	\$158.75	\$0
Landscape Design 2	\$476.25	\$317.50	\$158.75	\$0
Grading & Drainage	\$476.25	\$317.50	\$158.75	\$0
Graphics 3	\$491.25	\$327.50	\$163.75	\$0
Estimating	\$179.25	\$119.50	\$59.75	\$0
Spring Trees and Shrubs	\$243.75	\$162.50	\$81.25	\$0
Landscape Measurement	\$246.75	\$164.50	\$82.25	\$0
Landscape Design 3	\$476.25	\$317.50	\$158.75	\$0
Business Practices for the Landscape Professional	\$228.75	\$152.50	\$76.25	\$0
Landscape Design 4	\$681.75	\$454.50	\$227.25	\$0
Portfolio and Presentation Skills	\$311.25	\$207.50	\$103.75	\$0

Registration & General Information

Registration

Web

The quickest way to register for a class is to visit nybg.org/adulted

Phone

718.817.8720 Registration Office, M–F 9 am–5 pm

Confirmations

Registration confirmations will be sent same day via email.

General Information

Entrance to the Garden on Class Days

You must bring your printed confirmation letter for admission to the Garden, and present it at the Moshulu Entrance to gain admittance and free parking.

The Garden

Quick and easy to reach Bronx River Parkway (Exit 7W)



Metro North Railroad to Botanical Garden Station



Storm Closings

Class cancellations due to inclement weather will be rescheduled.

For closings due to weather, check our website, or call 718.817.8747 for a recorded message. Please call at the times noted below for a recorded message on the status of your class:

7:30 am for classes beginning at 9–11:45 am

10:30 am for classes beginning at 12–3 pm

1 pm for classes beginning at 3:15–8 pm

Financial Assistance

Financial assistance is available through Adult Career and Continuing Education Services—Vocational Rehabilitation (ACCES-VR) and the Veterans Administration Educational Benefits. ACCES-VR services are for individuals with disabilities that interfere with getting or keeping a job or who have difficulty advancing at their job. For more information, refer to: <http://www.acces.nysed.gov/vr/apply-vocational-rehabilitation-services> Additionally, VAEB provides benefits to eligible veterans of the United States armed forces. An educational allowance may also be available to spouses and children of veterans, under Title 38, Chapter 35. Contact the School's Director for further information.

Accessibility

The New York Botanical Garden is accessible and accommodating to persons with disabilities. Please ask about accommodations when you register. For general information about accessibility at the Garden, visit nybg.org.

School Facilities

Due to the current COVID-19 safety guidelines, classes are now held online via Zoom and/or on-site, entirely outside on NYBG grounds, rain or shine.

Non-Discrimination Policy

NYBG's School of Horticulture and Landscape Design has a policy of non-discrimination. It prohibits discriminatory actions against and treatment of applicants for admissions based on actual or perceived race, color, national origin, alienage or citizenship status, religion or creed, gender, disability, age (18 and over), military status, prior record of arrest or conviction, marital status, genetic predisposition or carrier status, sexual orientation, or status as a victim of domestic violence, a sex offense, or stalking. The New York Botanical Garden is an affirmative action, equal opportunity employer.

Disclosure Statement

The student should be aware that some information in the catalog may change. It is recommended that students considering enrollment check with the school director to determine if there is any change from the information provided in the catalog. In addition, a catalog will contain information on the school's teaching personnel and courses/curricula offered. Please be advised that the State Education Department separately licenses all teaching personnel and independently approves all courses and curricula offered. It is again recommended that the student check with the school director to determine if there are any changes in the courses/curricula offered or the teaching personnel listed in the catalog.

New York Botanical Garden
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Bronx, New York 10458-5126
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Keep Growing at NYBG

Change your career. Beautify your green space. Exercise your creativity. Renew your spirit. The New York Botanical Garden has hundreds of classes to educate, inspire, and guide you.

Classes meet online and in our 250 magnificent acres in the Bronx.

- Portuguese Quince, *Cydonia oblongata* 'Portugal', Colored pencil on paper, ©Margaret Best



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