

Academic Courses

In a comprehensive course of study, students complete 639 classroom hours, including botany, horticulture, landscape design, communications, and business management. Classes are taught by top horticulturists and botanists—the experts responsible for overseeing the Garden’s world-renowned collections. Visit our website for full course descriptions and to learn about our faculty.

Year 1

Winter February–March	Spring/Summer April–August	Fall September–December
Plant Structure	Plant Diversity	Systematic Botany
Soil Science I: Physical Properties	Morphology of Flowering Plants	Landscape Plants: Fall Trees and Shrubs
Landscape Gardening Techniques	Horticultural Techniques: Turf Equipment	Landscape Plants: Broad-leaved Evergreens
Greenhouse Techniques	Landscape Plants: Spring Trees and Shrubs	Landscape Plants: Summer and Fall Perennials
Landscape Plants: Conifers	Landscape Plants: Spring Perennials	Landscape Plants: Tropical Plants
Mathematics for Horticulture	Landscape Plants: Annuals	Plant Propagation I
Entomology	Landscape Plants: Bulbs	Disease Identification & Management
Landscape Design History	The Basics of Integrated Pest Management	Career Preparation
	Insect Pests of Landscape Plants	
	Graphics I	
	Introduction to Public Speaking	

Year 2

Winter January–March	Spring/Summer April–September	Fall October–December	Winter January–February
Plant Physiology	Externship at outside organization April–June	Advanced Presentation Skills	Introduction to Business Management
Soil Science II: Chemistry & Nutrition		Horticultural Techniques: Basic Landscape Construction	Preparation for Pesticide Applicator Certification Exam
Pruning Principles & Practices	—————	Landscape Management	Tree Management
Plant Propagation II	Internship at NYBG July–September	Weed ID & Management	Graduation First Friday of March
Winter Tree Identification		Nursery & Greenhouse Management	
Landscape Design I: Site Analysis & Schematic Design		Principles of Ecological Landscape Design	