

# New England School Of Gardening

## Tower Hill Botanic Garden's "Accredited Certificates and Diploma Program"

Tower Hill Botanic Garden's "Accredited Certificates and Diploma Program" is offered in collaboration with Worcester State College. The New England School of Gardening (NESOG), based at Tower Hill Botanic Garden, offers the six certificates, plus one diploma. Academic credit is available through Worcester State College. One-unit courses carry three credits, half-unit courses 1.5 credits. NESOG courses are scheduled on a modified quarterly academic cycle. Fall, Winter, and Spring quarters begin in early September, January, and April, respectively, and meet once a week. Summer Quarter classes meet once or twice a week in July and August for half- or full-unit courses, respectively.

Registration for all classes is now open. Please call 508-869-6111, ext. 24, to register or for further information, or register by fax at 508-869-0314. Please visit our website, [www.towerhillbg.org](http://www.towerhillbg.org), for the latest news in the Certificate Program.

### 6 Certificates and 1 Diploma Are Offered One (1) unit = 4 credits or 39 contact hours

1. Certificate in "Horticultural Plant Materials" (8 units)
2. Certificate in "Garden and Landscape Design" (8 units)
3. Certificate in "Commercial Horticulture" (8 units)
4. Certificate in "Gardening" (8 units)
5. Certificate in "Botany" (8 units)
6. Certificate in "Applied Plant Science" (8 units)
- D. "Diploma in Horticulture" (20 units)

Students seeking the "Diploma in Horticulture" may apply toward it all appropriate classes taken for any combination of the certificates. When the student has successfully completed 20 units, which must include all of the required courses for the Diploma, he or she then will be granted the Diploma upon written application to the NESOG Registrar. Any remaining required courses for the Diploma may be taken to complete the requirements and written application then made to NESOG.

## Course Requirements for NESOG Certificates and Diploma

### Certificate in Horticultural Plant Materials (8 units)

1

#### Required

History of Gardening  
Botany

#### Core (at least two units)

Naming and Identifying Plants  
Ornamental Woody Plants  
Herbaceous Perennials I (0.5 unit)  
Herbaceous Perennials II (0.5 unit)

#### Electives

Ground Covers and Vines (0.5 unit)  
Ornamental Tropical Plants (0.5 unit)  
Gardening in the Shade  
Gardening with Native Plants  
Fundamentals of Floral Design  
Economic Botany

### Certificate in Garden and Landscape Design (8 units)

2

#### Required

Fundamentals of Garden Design  
Advanced Garden Design  
Landscape Design and Construction I  
Landscape Design and Construction II

#### Core (at least two units)

Gardening in Difficult Landscapes  
History of Gardening  
Essentials of Site Preparation (0.5 unit)  
Geology for Gardeners & Landscapists (0.5 unit)  
Hardscape Materials (0.5 unit)  
Irrigation (0.5 unit)

#### Electives

Turf Management  
Gardening with Native Plants  
Gardening in the Shade  
Water Gardens (0.5 unit)  
Garden Accessories & Ornamentation (0.5 unit)  
Mathematics for Gardeners (0.5 unit)

## Course Requirements for NESOG Certificates and Diploma (continued)

### Certificate in Commercial Horticulture (8 units)

3

#### Required

History of Gardening  
Business Practice in Garden Design and Maintenance  
Legal Issues in Gardening (0.5 unit)

#### Core (at least two units)

Fundamentals of Garden Design  
Greenhouse Production and Management  
Garden Management  
Garden Maintenance and Equipment  
Nursery Production and Management

#### Electives

Flower Shop Operations and Management  
Economic Botany  
Mathematics for Gardeners (0.5 unit)  
Pesticide Safety (0.5 unit)

### Certificate in Gardening (8 units)

4

#### Required

History of Gardening  
Fundamentals of Garden Design  
Garden Management

#### Core (at least three units)

Practical Gardening Skills  
Garden Maintenance and Equipment  
Fertilizers and Soil Fertility  
Botany  
Naming and Identifying Plants  
Gardening in Difficult Landscapes  
Genetics of Garden Plants  
Plant Pathology  
Horticultural Entomology  
Introduction to Pruning  
Advanced Pruning Techniques

#### Electives

Fruit and Vegetable Culture  
Weed Identification and Management  
Gardening with Native Plants  
Gardening in the Shade  
Economic Botany  
Geology for Gardeners and Landscapists (0.5 unit)  
Pesticide Safety (0.5 unit)  
Mathematics for Gardeners (0.5 unit)

### Certificate in Botany (8 units)

#### Required

Botany

#### Core (at least two units)

Genetics of Garden Plants  
Horticultural Plant Physiology  
Naming and Identifying Plants  
Plant Propagation  
Fertilizers and Soil Fertility

### Certificate in Botany (continued)

5

#### Electives

Plant Pathology  
Horticultural Entomology  
Plant Ecology  
Field Botany  
Economic Botany  
Geology for Gardeners and Landscapists (0.5 unit)

### Certificate in Applied Plant Science (8 units)

6

#### Required

History of Gardening • Botany  
Naming and Identifying Plants

#### Core (at least three units)

Genetics of Garden Plants  
Horticultural Plant Physiology  
Fertilizers and Soil Fertility  
Economic Botany • Plant Propagation  
Mathematics for Gardeners (0.5 unit)

#### Electives

Gardening with Native Plants  
Gardening in the Shade  
Greenhouse Management • Garden Management  
Geology for Gardeners and Landscapists (0.5 unit)  
Plant Pathology • Horticultural Entomology  
Fruit and Vegetable Culture  
Plant Ecology • Pesticide Safety (0.5 unit)

### Diploma in Horticulture (20 units)

#### Required

History of Gardening • Botany  
Naming and Identifying Plants  
Genetics of Garden Plants • Plant Propagation  
Fertilizers and Soil Fertility • Plant Pathology  
Horticultural Entomology  
Ornamental Woody Plants  
Herbaceous Perennials I (0.5 unit)  
Herbaceous Perennials II (0.5 unit)  
Fundamentals of Garden Design  
Landscape Design and Construction I  
Landscape Design and Construction II

#### Core (at least two units)

Advanced Garden Design • Garden Management  
Garden Maintenance and Equipment  
Mathematics for Gardeners (0.5 unit)  
Pesticide Safety (0.5 unit)  
Geology for Gardeners and Landscapists (0.5 unit)  
Essentials of Site Preparation (0.5 unit)  
Fruit and Vegetable Culture  
Gardening with Native Plants  
Gardening in the Shade • Turf Management

#### Electives

Greenhouse Production and Management  
Nursery Production and Management  
Fundamentals of Floral Design  
Economic Botany • Water Gardens (0.5 unit)  
Garden Accessories and Ornamentation (0.5 unit)  
Ground Covers and Vines (0.5 unit)  
Ornamental Tropical Plants (0.5 unit)  
Legal Issues in Gardening (0.5 unit)  
Weed Identification and Management (0.5 unit)