

LANDSCAPE NURSERY MANAGER

APPENDIX A

O*NET CODE 37-3011.00

This training outline is a minimum standard for Work Processes and Related Instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom training.

WORK PROCESSES

	Approximate Hours
A. Plant and Tree Identification	1000
1. Identifying plants, their uses, and their optimum growing conditions:	
a. shrubs – deciduous and evergreen	
b. ground covers	
c. perennials and annuals	
d. trees – deciduous and evergreen	
e. vines	
B. Turf Management	1200
1. Identifying types and uses of various grasses	
2. Constructing a lawn by seeding and sodding.	
3. Watering.	
4. Controlling diseases, insects and weeds.	
5. Fertilizing and applying nutrients.	
6. Dethatching and aerating.	
C. Pruning and Shearing	800
1. Trees – deciduous and evergreen	
2. Shrubs – deciduous and evergreen	
D. Planting Practices	1000
1. Selecting locations for new plantings.	
2. Preparing the soil	
3. Digging plants, trees and shrubs.	
4. Planting plants, trees and shrubs.	

5. Watering
6. Fertilizing and applying nutrients.
7. Applying mulch.

E. General Pest Control **700**

1. Controlling pests associated with:
 - a. shrubs
 - b. trees
 - c. lawns
 - d. annuals and perennials
2. Integrated pest management
3. Safe use of chemicals and fungicides

F. Nursery Practices **1200**

1. Lining out
2. Area planning
3. Crop rotation
4. Plant propagation:
 - a. hot house
 - b. cold frames
 - c. propagation from seed
 - d. propagation from cuttings
 - e. grafting
 - f. budding

G. Plans and Specifications **500**

1. Interpreting scale and symbols on plans.
2. Reading and understanding contracts and specifications.
3. Estimating materials and costs.

H. General Landscape Construction Work **1000**

1. Constructing walks, patios, walls and fences.
2. Constructing quonset greenhouses (optional)
3. Constructing cold frames (optional)

I. Operation and Maintenance of Equipment **600**

1. Hand tools

2. Power Tools
3. Tractors
4. Rototillers
5. Spreaders
6. Mechanical seeders
7. Sprayers
8. Mowers

Approximate Total Hours 8000

Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <https://dol.ny.gov/public-work-and-prevailing-wage> .

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APPENDIX B

RELATED INSTRUCTION

Safety

1. Fundamentals
2. Trade Safety
3. Chemical Safety (storage, usage, disposal)
4. All applicable OSHA, EPA and DEC regulations, standards and rules
5. First Aid (minimum 6.5 hours, every 3 years)
6. Sexual Harassment Prevention Training – must comply with section 201-g of the Labor Law

Industrial and Labor Relations (20 hours)

1. History and Background
2. Current Laws and Practices

Blueprint Reading, Sketching and Layout

1. Fundamentals of Blueprint Reading
2. Freehand Sketching and Layout

Mathematics

1. Review of Fundamentals
2. Applications to the Trade

Trade Theory and Science

1. Botany
2. Horticulture
3. Principles of Reproduction and Growth Culture
4. Science of Disease and Insect Control
5. Soil Analysis
6. Conserving Water, Soil, Energy
7. Landscape Design, or Fundamentals of Three-Dimensional Design
8. Maintaining Machines and Equipment

Business Management

Customer Service, or Total Quality Management

Techniques of Supervision

A minimum of 144 hours of Related Instruction are required for each Apprentice for each year.

Appendix B topics are approved by New York State Education Department.