

Landscape Design, Installation and Maintenance Competencies

1. SAFETY AND EQUIPMENT
 - a. Demonstrates safe and proper use of hand tools
 - b. Demonstrates safe and proper use of power tools
 - c. Demonstrates safe and proper use of pesticides
 - d. Demonstrates safe and proper use of herbicides
 - e. Demonstrates safe and proper use of fertilizer

2. ORNAMENTAL HORTICULTURE
 - a. Identifies 20 shrubs
 - b. Identifies 20 trees
 - c. Identifies 30 plants
 - d. Identifies 10 groundcovers
 - e. Identifies 10 annuals
 - f. Identifies 10 grass plants
 - g. Identifies leaf shapes
 - h. Identifies margins
 - i. Identifies plant color
 - j. Identifies landscape applications

3. LANDSCAPE DESIGN
 - a. Understands the purpose of landscape design
 - b. Understands the applications
 - c. Understands use of plans
 - d. Understands use of drawings, drafting, and reading
 - e. Understands preparation of terrain and how to level ground
 - f. Understands setting up irrigation system with proper drainage
 - g. Understands soil preparation
 - h. Understands how to deal with pests and use of pesticides
 - i. Understands pruning methods
 - j. Understands use of fertilizers

4. CONSTRUCTION
 - a. Understands use of masonry
 - b. Understands use of carpentry
 - c. Understands use of plumbing
 - d. Understands use of electricity

5. LANDSCAPE MAINTENANCE
 - a. Understands how to maintain landscape areas by cutting, trimming, edging, and pruning
 - b. Understands use of fertilizers
 - c. Understands methods of watering and setting up irrigation systems
 - d. Understands methods of graft
 - e. Understands methods of pest control

6. PLANTING AND/OR TRANSPLANTING TECHNIQUES

- a. Understands how to prepare and analyze soils
- b. Understands how to treat soils with salts, organic and inorganic amendments, and fertilizers
- c. Understands how to plant trees and shrubs
- d. Understands how to plant grasses

7. RECORDKEEPING

- a. Understands basic business forms
- b. Understands basic business bookkeeping

8. ESSENTIAL EMPLOYABILITY SKILLS/CAREER PREPARATION STANDARDS

- a. Demonstrates personal skill development (positive attitude, honesty, self-confidence and time management)
- b. Demonstrates effective interpersonal skills (group dynamics, conflict resolution and negotiations)
- c. Demonstrates academic skills, critical thinking and problem-solving in the workplace
- d. Demonstrates effective communication
- e. Demonstrates occupational safety issues and observe all safety rules
- f. Demonstrates career awareness and knowledge of pathways
- g. Demonstrates ability to adapt to changing technology
- h. Demonstrates ability to prepare for employment (resume, job application, job interview and portfolio development)