

## NO RTEC JOB SPECIFIC SKILLS COMPETENCY

### LANDSCAPE CONTRACTOR (Construction)

DOT: 182.176-014 SVP 8

**Job Description:** Plan and direct landscaping functions and sequences of work to landscape grounds of private residences, public areas, or commercial and industrial properties, according to landscape design and clients' specifications. *Physical Demands* - light lifting, carrying, or moving (up to 20 lbs.); *General Educational Development* - R4 M4 L4; *Aptitudes* - Above average Numerical Ability - Average General Learning Ability, Verbal, Spatial, Form Perception, Clerical Perception, Color Discrimination. *Please note: Some States require that landscape contractors be licensed.*

### CORE SKILL COMPETENCIES/INDICATORS:

1. Can pass applicable Contractors State License Board Exam required in the State in which trainee will practice trade. *Note: This item is a mandatory indicator and requires achievement documentation, not just rating (Pre-test deficiency = No; Post-test proficiency = Yes)*
2. Can demonstrate a thorough understanding of horticulture, turf management, ornamental plants, circulatory systems, landscape design and construction, pest management, soils, erosion prevention, and irrigation techniques. (R, IN, S, T)
3. Can demonstrate a thorough understanding of the basic principles of sales & marketing, economics and accounting, and administration and management. (R, IN, I, S)
4. Can demonstrate familiarity with all landscaping and grounds maintenance equipment. (R, IN, S, T)
5. Can demonstrate an understanding of local or Federal environmental regulations and building codes. (IN, S)
6. Can demonstrate knowledge of relevant site permits required for landscaping projects. (IN, S)
7. Can demonstrate knowledge of industry-specific safety standards and emergency procedures. (IN, S)
8. Can demonstrate proficiency in the use of technologies such as computer aided design and geographic information systems. (R, IN, S, T)
9. Can demonstrate familiarity with computers and software programs for the purposes of developing plans and blueprints, estimating and tracking project costs, maintaining payroll and personnel information, and scheduling. (R, IN, S, T)
10. Can demonstrate ability to read and interpret landscape designs, drawings, or blueprints developed by landscape architect, or others. (IN, S)
11. Can demonstrate a general understanding of contract law. (IN, S)
12. Can demonstrate ability to confer with prospective clients and study designs, drawings, and bills of materials to ascertain scope of landscaping work required. (IN, I, S)
13. Can demonstrate ability to appropriately inspect ground or area to determine equipment and labor requirements for grading, tilling, or replacing top soil, installing sprinkler or lighting systems, building walkways, terraces, patios, decks, fountains, or fences, or performing concreting and planting work. (R, IN, S, T)
14. Can demonstrate ability to appropriately calculate labor, equipment, materials, and overhead costs to determine minimum estimate or bid which will provide for margin of profit. (R, IN, S, T)
15. Can demonstrate proper procedure for formulating and submitting specific estimate to client or bid to industrial concern or governmental agency. (IN, I, S, T)

16. **Can demonstrate ability to develop and prepare an appropriate contract for the client to sign if successful bidder. (IN, I, S)**
17. **Can demonstrate ability to purchase and ensure materials are on-site as needed. (R, IN, S)**
18. **Can demonstrate ability to plan all landscaping functions and sequences of work at various sites to obtain optimum utilization of workforce and equipment, and implement same. (R, IN, I, S, T)**
19. **Can demonstrate ability to appropriately coordinate and oversee the activities of workers engaged in performing landscaping functions in contractual agreement. (R, IN, I, S)**
20. **Can demonstrate proper procedure for inspecting work at site at various stages of completion for compliance with terms and specifications of contract, and compliance with county, state, and federal regulations. (IN, S)**
21. **Can demonstrate ability to prepare daily reports of progress and requirements for labor, material, and equipment at work sites. (R, IN, S)**
22. **Can demonstrate proper procedure for billing or charging clients for the costs of materials to complete the scope of landscaping work required. (R, IN, I, S)**
23. **Can demonstrate proper procedure for collecting payment from clients for work completed. (R, IN, I, S)**
24. **Can demonstrate ability to design and develop installation and maintenance plans for landscapes and proper grounds management. (IN, S, T)**
25. **Can demonstrate ability to install lighting systems, and can instruct others in same. (R, IN, I, S, T)**
26. **Can demonstrate ability to install sprinkler and drainage systems, and can instruct others in same. (R, IN, I, S, T)**
27. **Can demonstrate ability to erect/construct fencing, decks and hot/greenhouses, pour concrete, install fountains, pavillions, planters, and borders, plant trees, shrubs, flowers, and ornamental plants, etc., according to a defined work/landscape plan, and can instruct others in same. (R, IN, I, S, T)**
28. **Can demonstrate ability to condition and prepare soil for planting purposes, and can instruct others in same. (R, IN, I, S, T)**
29. **Can demonstrate proper and safe use and disposal of fertilizers, insecticides, herbicides, and fungicides, and can instruct others in same. (R, IN, I, S, T)**
30. **Can demonstrate proper use of power and hand tools to complete landscaping plan or design, and can instruct others in same. (R, IN, I, S, T)**
31. **Can demonstrate ability to deal with people beyond giving and receiving instructions. (I)**
32. **Can demonstrate ability to work under stress to meet schedule deadlines. (R, I)**