

A-21 Landscaping (Commercial) and C-21 Irrigation Systems (Residential)

Exam Number: 030607
Effective Date: 08/18/08

License Information

A-21 Landscaping (Commercial) Scope – Treat, condition, prepare, and install topsoil. Plant all decorative vegetation. Excavate, trench, bore, backfill, and grade as necessary for installation of landscaping and irrigation systems.

Landscaping includes installation of non-load-bearing slabs, walkways and areas using concrete, brick, stone or gravel; wooden decks; decorative garden walls, fences, and screens up to 6 feet in height; retaining walls up to 3 feet in height; and all other materials and equipment common to the industry.

Excluded are cast-in-place or tilt concrete; load-bearing walls for structures; and perimeter fencing along property lines or boundaries.

Install, repair, and maintain irrigation systems to distribute water for the purpose of irrigation, dust and soil erosion control using equipment, materials and fittings common to the industry. This includes electrical control panels and apparatus that are an integral part of the irrigation system.

Connections to potable water lines, installation of back-flow prevention devices, installation of hose bibs, and installation of service lines from source of supply are permitted only when they are an integral part of the irrigation system.

Installation of electric wiring and related fixtures of 110 volts or less for landscaping projects is included. All electrical work is limited to exterior use and only that work necessary to complete a landscaping project.

If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.

C-21 Irrigation Systems (Residential) Scope – Preparation and alteration of land for horticulture and arboriculture. Installation of irrigation systems and controls. Carpentry is limited to decorative fences and screens, planter boxes, and plant tubs as common to the industry. Excluded are retaining walls over 3 feet, decorative walls or fences over 6 feet, perimeter walls, fences, and load-bearing slabs and walkways.

If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel. This scope includes all C-21R subclassifications. Landscaping, Irrigation Systems.

The trade test is considered equivalent for these classifications and upon passing the CBME and trade exam, either license classification may be applied for without further testing.

Examination Outline

Closed Book

65 Questions - Two-hour time limit

70% Correct required to pass

Exam Topic	%
Irrigation Systems	26
Trees and Shrubs	18
Grass and Groundcover	14
Grading and Drainage	9
Soils and Amendments	9
Desert Plants	9
Hardscaping	9
Low Voltage Electricity	6

References

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *Building Fences of Wood, Stone, Metal, & Plants*, 1987, Williamson Publishing Company, P.O. Box 185, Charlotte, VT 05445, www.williamsonbooks.com.
2. *Landscaping Operations: Management, Methods, and Materials*, Third Edition, 1999, Prentice Hall/Pearson Education, Order Processing Center, P.O. Box 11071, Des Moines, IA 50336-0693, vig.prenhall.com.
3. *Landscaping Principles and Practices*, Sixth Edition, 2004, Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.
4. *Moving the Earth*, Fifth Edition, 2005, McGraw-Hill Publishing, Inc., P.O. Box 182604, Columbus, OH 43272, books.mcgraw-hill.com.
5. *Turf Irrigation Manual*, Fifth Edition, 1994, Telsco Industries - Weathermatic Publications, Irrigation Association, 6540 Arlington Boulevard, Falls Church, VA 22042-6638, www.irrigation.org.
6. *Uniform Plumbing Code*, 2006, International Association of Plumbing and Mechanical Officials (IAPMO), 5001 East Philadelphia Street, Ontario, CA 91761-2816, www.iapmo.org.

State of Arizona

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*For information on how to obtain exam references,
please call toll-free 877.624.2562.*

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