

EMPLOYMENT AREAS/TITLES

No Skill
Exposure
Apprentice
Expert

	No Skill	Exposure	Apprentice	Expert
Landscape Architect				
Landscape Designer				
Project Manager				
Account Manager				
Construction Foreman				
Maintenance Foreman				
Irrigation Tech				
Spray Tech				
Office Manager				
Arborist				
Sales Manager				
Estimator				
Human Resources				
Greenhouse Tech				
Nursery "worker"				
Golf Course Manager				
Plant Health Care Specialist				
Human Resources Director				
Nursery Manager				
Greenhouse Manager				
Production Manager				
Enhancements Manager				
Color Coordinator				
Assistant Golf Course Superintendent				
Golf Course Superintendent				
Sports Turf Manager				
Branch Manager				

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Areas of for Certification

- ISA Certified Arborist
- ISA Certified Tree Worker
- PLANET CLP
- PLANET CLT
- RLA (Registered Landscape Architect)
- Pesticide Applicator License (for state)
- Contractor's License (for state)
- Commercial Driver's License-CDL (for state)
- Irrigation.... Whatever they are

IRRIGATION

	No Skill	Exposure	Apprentice	Expert
Plan reading				
Irrigation Design				
Installation				
Controller				
Valve				
Back Flow				
Wiring				
Pump				
Pipe (PE vs PVC)				
Drip				
Fittings (joints)				
Trouble Shooting & Maintenance				
Components				
Programming a controller				
Adjust watering days				
Controllers				
Typers				
Scheduling				
LEED				
Approaches to Water Conservation				
Xeriscaping				

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CONSTRUCTION/INSTALLATION

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Plan Reading				
Estimating/Quantity Takeoffs				
Conversions (cu feet to cu yards, etc)				
Grading/Drainage				
Hardscapes				
Paver/Flagstone Installation				
Retaining Wall				
Concrete				
Wood(Decks, Patios, benches, etc)				
Lighting				
Water Features				
Edging Installation				
Turf Installation & Prep				
Heavy Equipment Operation				
Skidsteer				
Mini excavator				
Backhoe				
Front-end Loader				
Truck & Trailer				
Tractor				
Compact Utility Loader				
Boom truck				
Trencher				
CDL				
Tree Spade				
Mulch				
Plant Installation				
Snow plow/removal				
Soil Information				
Soil Specification				
Interpretation of Soil Test Results				
Soil Management During Construction				
Topsoil Evaluation				
Soil Ammendments				
Soil Salinity				
Soil Compaction				
Sustainable Sites Initiative				

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MAINTENANCE

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Woody Plant ID and Care				
Annual ID and Care				
Perennial ID and Care				
Turf ID and Care				
Cool Season				
Warm Season				
Weed ID and management				
Insect ID and management				
Pathogen ID and management				
Pesticide Application				
Equipment				
Blower				
Trimmer				
Edger				
Hedger				
Push mower				
Riding Mower				
Chainsaw				
Ladder				
Aerator				
Pruners				
General Equipment Safety				
Diagnosing Landscape Problems				
Concepts of Sustainable Management				
Recycling of Green Waste				
Ecological Principles				
Foliar Application				
Trunk injection				
Pruning				
Trees				
Timing				
Natural Target Pruning				
Use and care of hand pruners				
Use and care of loppers				
Shrubs				
Evergreens				
Spring flowering deciduous				
Summer/fall flowering deciduous				
Roses				
Vines				
Fruit Trees				
Berries				
Worker Protection				
Documentation of Safety Training				
First Aid				
Calibration of chemical/fertilizer equipment				
Integrated Pest Management (IPM)				
Plant Health Care (PHC)				
Required Recods				
Observing and Recording Nature				
Turf Management				
Turf ID				
Calculation of Fertilizer Rates				
Fertilizer application				
Liquid				
Granular				
Optimization and Timing				
Use of Backpack Sprayer				
Snow Removal				
Plow				
Snow Blower				
Deicing Salt				
Safety				
Sustainable Sites Initiative				

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See Irrigation Sheet

DESIGN

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Graphics				
Plan View				
Elevation				
Structureal				
Resident Inventory				
Site Analysis				
Functional Analysis				
Form Composition				
Preliminary Design				
Planting Design				
Hardscape Design				
Floral Design				
Irrigation Design				
Residential				
Commercial				
Drip				
Interiorscape				
Professional Portfolio				
Ecological Principles				
Outdoor Lighting (nightscaping)				
Water Features				
Pump Systems				
Fountains				
Pools				
Filter Systems				
Liners				
Aquatic plants				
Fish				
Grading and Drainage				
Computer Aided Landscape Design				
AutoCad				
Dynascape				
Real Time Landscape Arichtect				
Landscape Pro				
Photoshop				
Adobe Illustrator				
Plant Materials				
Woody Plant ID and use				
Herbaceous Plant ID and use				
Ground Covers				
Ornamental Grasses				
Turf ID and use				
Interior Plant ID and use				
Rock Gardens/Stone				
Sustainable Deisn				
Garden Sculpture				
Design Sales				
Enhancements				
Class B properties				
Class A properties				
Construction Techniques				
Garden History				
Plant Ecosystems				
Praire				
Woodland				
Savanna				
Shrub Steppe				
Desert				
Riparian				
Wetland				
Rain Forest				
Alpine				
Montane				
Great Landscape Designers				
Lancelot (Capability) Brown				
Humphrey Repton				
Gertrude Jeckyll				
Jens Jenson				
Frederick Law Olmstead				
Garrett Eckbo				
Thomas Church				
Peter Lassig				
Garden Design Styles				
Japanese				
Chinese				
Xeriscape				
Italian				
English Cottage Garden				
Native				
Formal				
LEED				
Sustainable Sites Initiative				

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MANAGEMENT

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Accounting Principles				
Client Relations				
Public Speaking				
Buisness Management				
Communication				
Verbal				
Written				
Leadership				
Human Resources				
Sales training				
Computer Skills				
Excel				
Word				
Power Point				
Outlook				
QuickBooks				
Organizational skills				
Pater work				
Time management				
Scheduling Crews				
Supervising Employees				
Performance Evaluations				
Writing skills				
Professional Resume				
Types of Companies (LLC, S & J Corp, etc)				
Marketing				
Risk, Laws, and Contracts				
Strategic Planning				
Production				
Ethics				

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Suggested Reading List

- The Tipping Point
- From Good to Great
- The E-Myth Revisited
- How Life Imitates Chess

ARBORICULTURE

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Woody Plant Identification				
Trees				
Shrubs				
Vines				
CODIT				
Pruning				
Deciduous Ornamental Trees				
Evergreen Trees and Shrubs				
Deciduous Shrubs				
Vines				
Fruit trees				
Small Fruits				
Roses				
Tree Appraisal				
Tree Assessment and Risk Management				
Planting Trees and Shrubs				
Staking				
Plant Health Care				
IPM				
Diagnosing Disease and Insect Problems				
Soil Compaction				
Soil Problems				
Urban Soils				
Chemical Application				
Calibrating Sprayers				
Irrigation and Soil Water Management				
Plant Selection				
Specifying Trees				
Inspecting Trees				
Tree Nutrition and Fertilization				
Tree Support				
Cabling				
Bracing				
Guying				
Minimizing Construction Damage				
Climbing and Working In Trees				
Knots				
Climbing Techniques				
Inspecting Trees				
Safety				
PPE				
Basic First Aid				
Chain Saw Safety				
Chipper Safety				
Aerial Rescue				
Spraying				
ISA Certification				
TCIA				
Pesticide Applicator License				

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