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Certificate of Achievement in Landscape Design

Division: Agriculture

This certificate prepares students for entry-level employment in the field of Landscape Design. Students completing this certificate will acquire skills in successfully planning and designing residential landscapes and gardens using current standards and plant material.

PROGRAM OUTCOMES:

- Identify and classify plant material and describe its usage and cultural requirements.
- Evaluate a landscape or residential site, develop a landscape plan and proposal for the property.
- Communicate with the public and colleagues using a variety of methods and digital applications.

EMPLOYMENT OPPORTUNITIES: Upon successful completion of this certificate, students will be prepared for employment in the following fields: landscape designer, landscape maintenance technician, retail nursery technician.

UNITS

1. Required Courses

A. AGMT108	Ag Business Computer Apps	3
B. OH002	Plant Identification 1	3
C. OH003	Plant Identification 2	3
D. OH007	Principles of Landscape Design	3
E. OH206	Landscape Drafting	3
F. OH208	Landscape Construction	3
G. OH218	Xeriscape: Water Conservation	3
Required Courses Units:		21
Total Units:		21

The Certificate of Achievement requirements include completion of the certificate courses with a "C" or better grade in each course. Required and support courses may be substituted with the approval of the Agriculture Division Chair.

College of the Sequoias

Narrative - Landscape Design Certificate of Achievement

The Chancellor's Office requires the following information for all submitted degrees and certificates of achievement. More information is available in the [Program and Course Approval Handbook](#).

Section Title	Instructions	
<p>Item 1. Program Goals and Objectives</p>	<p>Goals and objectives must be consistent with California Community College mission: transfer or occupational</p> <p>If a transfer degree, describe how these courses will meet the lower division requirements of a major at a university and list the university(ies) to which students will be able to transfer upon completion of AA/AS degree program.</p> <p>If not-for-transfer degree (CTE), note how the degree meets community needs and focuses on a specific body of knowledge or area of skill.</p>	<p>The Landscape Design Achievement Certificate is consistent with the goals and objectives of the California Community College mission. It meets the Career Technical Education objective of preparing students for the advancement of California's economic growth and global competitiveness. It prepares students with the academic knowledge and practical skills to be competitive in a progressive workforce.</p> <p>The Landscape Design Achievement Certificate meets the needs of the local community by providing students with the training necessary to gain employment in occupations related to residential landscape design and plant identification.</p> <p>The courses and industry skills that are part this certificate follow the recommendations from the Advisory Committee.</p>
<p>Item 2. Catalog Description</p>	<p>Enter EXACTLY as it will appear in the catalog, including program outcomes.</p>	<p>This certificate prepares students for entry-level employment in the field of Landscape Design. Students completing this certificate will acquire skills in successfully planning and designing residential landscapes and gardens using current standards and plant material.</p> <p>PROGRAM OUTCOMES:</p> <ul style="list-style-type: none"> Identify and classify plant material and describe its usage and cultural requirements. Evaluate a landscape or residential site, develop a landscape plan and proposal for the property.

		<ul style="list-style-type: none"> Communicate with the public and colleagues using a variety of methods and digital applications. <p>EMPLOYMENT OPPORTUNITIES: Upon successful completion of this certificate, students will be prepared for employment in the following fields: landscape designer, landscape maintenance technician, retail nursery technician.</p> <p>Included (See table below)</p>
Item 3. Program Requirements	Display in the table format (see below).	
Item 4. Master Planning	<p>Address how the proposed program will fulfill the college's mission, the placement of the proposed program in the district master plan, and how the program is appropriate to the objectives and conditions of higher education and community college education in California.</p> <p>A description of the program purpose, and/or the program's relevancy for the region and college including related community support is appropriate here.</p> <p>The proposal must demonstrate a need for the program that meets the stated goals and objectives in the region the college proposes to serve with the certificate. Furthermore, a proposed new certificate must not cause undue competition with an existing program at another college.</p>	<p>The Landscape Design Achievement Certificate program will fulfill the College of the Sequoias mission "to help our diverse student population achieve its transfer and/or occupational objectives and to advance the economic growth and global competitiveness of business and industry within our region" by educating and training students for employment in occupations related to residential landscape design and water conservation.</p> <p>This program will prepare students with the knowledge, skills and theory necessary to be successful in the Landscape Design industry within the service area of College of the Sequoias and surrounding communities. This certificate is part of the Ornamental Horticulture Program within the Agriculture Division. It has been developed with the support from the local industry and input from members of the Advisory Committee.</p> <p>The Landscape Design Achievement Certificate meets the objectives and conditions of higher education in California, for it provides students with a solid academic foundation and career technical skills to be productive members of the community and successful members of the local work force.</p>

<p>Item 5. Enrollment and Completer Projection</p>	<p>This item should justify the number of projected students or "annual completers" to be awarded the certificate each year after the program is fully established. The justification must include either: (A) enrollment data (student headcount) or (B) a survey of prospective students and completer projections information</p> <p>Enrollment Data Use a table format (sample provided below) to provide final (not census) enrollment data for all required existing courses for the last two years to validate the need for this program in the college service area.</p> <p>Survey In the case of a survey, the survey questionnaire, a description of the population surveyed, and survey results must be included.</p> <p>If the associate degree program goal selected is "Career Technical Education (CTE)," then the enrollment and completer projections must be compared to the net annual labor demand projection stated in the Labor Market Information and Analysis provided as Supporting Documentation. The data must demonstrate adequate demand for the completer projections.</p>	<p>There are no other similar programs within the service area of College of the Sequoias.</p> <p>The projected annual program completers in this program are three (3). The projected growth in the Landscape Architecture field for the state of California is 12.5% in the next five years. The projected growth for Landscaping and Grounds keeping technicians, and related occupations in Tulare County is 31% in the same period of time.</p>
<p>Item 6. Place of Program in Curriculum/Similar Programs</p>	<p>Address the following: a) Do any active inventory records need to be made inactive or changed in connection with the approval of the proposed program? If yes, please specify. b) Does the program replace any existing program(s) on the college's inventory? Provide relevant details if this program is related to the termination or scaling down of another program(s). c) What related programs are offered by the college?</p>	<p>a. No inventory records need to be changed.</p> <p>b. This program is replacing a Skill Certificate of the same title.</p> <p>c. No related programs are offered by College of the Sequoias.</p>

Item 7. Similar Programs at Other Colleges in Service Area	Describe all similar programs offered by colleges within college service area (West Hills, Reedley, Porterville). A brief description of each program is required. For CTE programs are similar to those at other colleges, provide evidence of collaboration with the faculty from those programs (consultation calls, sharing of ideas, resources, collaboration in designing courses, etc.).	No other college offers a similar certificate within the service area of College of the Sequoias.
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Item 3. Program Requirements

Requirements (Course blocks)	Course Number	Course Title	Units	CSU-GE Area	IGETC Area	Sequence (if applicable)
Required Courses (21 units)	AGMT 108	Ag Business	3.0	N/A	N/A	Spring/Fall
	OH 002	Computer Apps	3.0	N/A	N/A	Fall (Every other year)
	OH 003	Plant Identification 1	3.0	N/A	N/A	Fall (Every other year)
	OH 007	Plant Identification 2	3.0	N/A	N/A	Spring (Every other year)
		Principles of Landscape Design				
	OH 206	Landscape Drafting	3.0	N/A	N/A	Fall (Every other year)
	OH 208	Landscape Construction	3.0	N/A	N/A	Spring (Every other year)
	OH 218	Xeriscape: Water Conservation	3.0	N/A	N/A	Fall (Every other year)

Item 5. Enrollment Data

Course Number	Course Title	2012-2013		2013-2014	
		Annual # of Sections	Annual Enrollment Total	Annual # of Sections	Annual Enrollment Total
AGMT 108	Ag Business Computer Apps	3	59	3	63
OH 002	Plant Identification 1	1	18	0	0
OH 003	Plant Identification 2	1	17	0	0
OH 007	Principles of Landscape Design Landscape	0	0	1	11
OH 206 (OH 106)	Landscape Drafting	0	0	1	11
OH 208 (OH 108)	Landscape Construction	0	0	0	0
OH 218 (OH 118)	Xeriscape: Water Conservation	0	0	0	0



College of the Sequoias
Agriculture Division
Ornamental Horticulture Program Advisory Committee

Meeting Summary- Wednesday, May 14, 2014

Location: Tulare College Center Room B124

Time: 5:00pm

Members in Attendance: Bob Ludekens, Michelle LeStrange, Sal Soriano, Steve Veyna, Joel Brown, Mark Clark, Susan Long, Fernando Fernández

Members Absent: Phillip Cox, Andres Fernandez, Jim Beam

Faculty Lead: Fernando Fernández

The meeting was called to order at 5:05pm by committee Chair, Bob Ludekens. Mr. Ludekens highlighted some of the future plans related to the OH Unit. As part of the future plans he emphasized the following items:

1. Selection and acquisition of a soil mixer (Part of the original equipment list)
2. Selection and acquisition of a canning machine (Part of the original equipment list)
3. The need to expand the soil mixing area to accommodate the soil mixer and canning machine (Limited area is currently available for these two pieces of equipment to be installed side by side)
4. Possible expansion of the Shadehouse (Current Shadehouse has limited space)
5. Enclosure of the OH Laboratory (Currently the OH Lab has open sides and does not meet all educational needs, enclosing the room will allow the space to be used during rainy and windy weather conditions)
6. Faculty and students continue working on making changes to the irrigation systems to make the growing areas and greenhouses fully functional

Bob requested that Fernando give a summary of the work that students have done during the year at the OH Unit. Fernando reported that the following improvements or changes have been completed:

1. The irrigation systems for 7 of the 12 growing areas in the nursery have been modified and are now fully functional.
2. Seven of the 12 nursery growing areas have been resurfaced with new gravel and the drainage system has been modified to allow for proper drainage.

3. The irrigation systems inside the greenhouses and the Shadehouse were adjusted to meet the educational needs for the semester. The irrigation systems in the greenhouses and the shadehouse will need to be modified to make them functional.
4. The trellis on 4 out of 6 growing areas has been adjusted and is now functional.
5. The ground cover used for weed control on the growing nursery blocks has been removed from 7 of 12 areas due to improper installation. The removal of the ground cover was necessary to make adjustments to the irrigation systems and to resurface with the new gravel. The groundcover will be reinstalled on selected growing areas.
6. Shelving in the Nursey Storage Building, and the Landscape Management buildings was adjusted to be able to use the space effectively.
7. The soil sanitizer was purchased and installed. The soil recycling area is now fully functional.
8. Tables purchased for the sales area were installed and are in used.

The request for Carl Perkins VTEA funding was reviewed. Fernando presented the 2014-2015 VTEA request and gave a description of how those funds will be utilized. The committee approved the request as presented. Fernando informed the committee that the OH Program had received "Above-Based Budget" funding for the 2013-2014 fiscal year. Fernando describe the intended use of those fund.

Fernando gave an overview of all the current AS Degree and Certificate requirements in the program. He reported that all courses in the OH Program have beed revised and entered into CurricUNet. He presented three "Revised Certificates" for review and approval: Floral Technology, Ornamental Horticulture: Retail Nursey, and Landscape Design. Content of the revised certificates was reviewed. The committee approved the revisions as presented. Fernando will work on the revision of the Landscape Management Degree and Certificate requirements, and the Ornamental Horticulture Degree and certificate requirements.

Bob encouraged all committee members to provide input on the current skills needed in the industry. He emphasized the need to maintain the curriculum aligned to industry needs and standards in order to prepare students for the workforce.

Fernando informed the committee of the changes to the Annual Program Review Process. He reported that each Program within the Agriculture Division will have its own Program Review report and that it will be completed on a yearly bases.

Bob will be looking at posible dates for the next meeting. He called for updates to the contact information for each member. He will send a meeting notice to all members.

The meeting was adjourned at 6:30pm.



California Employment Development Department


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Occupation Profile

Landscaping and Groundskeeping Workers (SOC Code : 37-3011) in Tulare County

Landscaping or maintain grounds of property using hand or power tools or equipment. Workers typically perform a variety of tasks, which may include any combination of the following: sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation, and installation of mortarless segmental concrete masonry wall units. Exclude "Farmworkers and Laborers, Crop, Nursery, and Greenhouse" (45-2092).

Employers usually expect an employee in this occupation to be able to do the job after Short-term on-the-job training .

Tulare County is the same as Visalia-Porterville MSA.

Occupational Wages

[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Area	Year	Period	Hourly Mean	Hourly by Percentile		
				25th	Median	75th
Visalia-Porterville MSA	2014	1st Qtr	\$13.73	\$10.69	\$13.42	\$16.61

[View Wages for All Areas \(/aspdotnet/SupportPage/AllOESWage.aspx?soccode=373011\)](#) [About Wages \(/?PageId=1009\)](#)

Occupational Projections of Employment (also called "Outlook" or "Demand")

[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Area	Estimated Year-Projected Year	Employment		Employment Change		Annual Avg Openings
		Estimated	Projected	Number	Percent	
Tulare County	2012 - 2022	1,450	1,780	330	22.8	69

[View Projections for All Areas \(/aspdotnet/SupportPage/AllOccPrj.aspx?soccode=373011\)](#) [About Projections \(/?PageId=1011\)](#)

Job Openings from JobCentral National Labor Exchange

[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Enter a Zip Code Find a Zip code in Tulare County ([javascript:openZipCodeWin](#)
(<http://www.labormarketinfo.edd.ca.gov/cgi/career/zipcode.aspx?geogArea=0604000107&formName=frmDataBrowsing>);)

Within miles of Zip Code.

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Possible Licenses Required and Issuing Authority

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License Title
[Landscaping Contractor \(/cgi/databrowsing/licensedisplaypage.asp?licid=6998\)](#)

License Authority
Department of Consumer Affairs
Contractors State License Board
License Information Center
[www.cslb.ca.gov \(www.cslb.ca.gov\)](#)

[About Licenses \(?pageid=1010\)](#)

Industries Employing This Occupation (click on Industry Title to View Employers List)

[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Industry Title	Number of Employers in Tulare County	Percent of Total Employment for Occupation in State of California
Services to Buildings and Dwellings (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=5617&geogArea=0604000107&soccode=373011&occKeyword=landscape)	286	42.1%
Other Amusement & Recreation Industries (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=7139&geogArea=0604000107&soccode=373011&occKeyword=landscape)	106	6.1%
Agriculture, Forestry, Fishing & Hunting (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/OccNaicscode4.aspx?menuChoice=emp&searchType=Occupation&naicscode=311&geogArea=0604000107&soccode=373011&occKeyword=landscape)	459	2.6%
Elementary and Secondary Schools (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=6111&geogArea=0604000107&soccode=373011&occKeyword=landscape)	276	2.2%
Employment Services (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=5613&geogArea=0604000107&soccode=373011&occKeyword=landscape)	52	1.9%
Lessors of Real Estate (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=5311&geogArea=0604000107&soccode=373011&occKeyword=landscape)	210	1.6%
Accommodation (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/OccNaicscode4.aspx?menuChoice=emp&searchType=Occupation&naicscode=3721&geogArea=0604000107&soccode=373011&occKeyword=landscape)	120	1.5%
Colleges and Universities (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=6113&geogArea=0604000107&soccode=373011&occKeyword=landscape)	8	1.3%

[About Staffing Patterns \(/?PagelId=1012\)](#)

Data for Training Programs not available.

[About Training & Apprenticeships \(/?PagelId=1013\)](#)

About This Occupation (from O*NET - The Occupation Information Network)

[Top](#) (javascript:window.scrollTo(0,0);)

Top Tasks (Specific duties and responsibilities of this job.)

Operate vehicles and powered equipment, such as mowers, tractors, twin-axle vehicles, snow blowers, chain saws, electric clippers, sod cutters, and pruning saws.

Mow or edge lawns, using power mowers or edgers.

Care for established lawns by mulching, aerating, weeding, grubbing, removing thatch, or trimming or edging around flower beds, walks, or walls.

Shovel snow from walks, driveways, or parking lots and spread salt in those areas.

Use hand tools, such as shovels, rakes, pruning saws, saws, hedge or brush trimmers, or axes.

Prune or trim trees, shrubs, or hedges, using shears, pruners, or chain saws.

Maintain or repair tools, equipment, or structures, such as buildings, greenhouses, fences, or benches, using hand or power tools.

Gather and remove litter.

Mix and spray or spread fertilizers, herbicides, or insecticides onto grass, shrubs, or trees, using hand or automatic sprayers or spreaders.

Provide proper upkeep of sidewalks, driveways, parking lots, fountains, planters, burial sites, or other grounds features.

[More Tasks for Landscaping and Groundskeeping Workers \(http://online.onetcenter.org/link/details/37-3011.00#Tasks\)](http://online.onetcenter.org/link/details/37-3011.00#Tasks)

Top Skills used in this Job

Operation and Control - Controlling operations of equipment or systems.

Active Listening - Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting in inappropriate times.

Critical Thinking - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Speaking - Talking to others to convey information effectively.

Operation Monitoring - Watching gauges, dials, or other indicators to make sure a machine is working properly.

Time Management - Managing one's own time and the time of others.

Social Perceptiveness - Being aware of others' reactions and understanding why they react as they do.

Coordination - Adjusting actions in relation to others' actions.

Complex Problem Solving - Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

Judgment and Decision Making - Considering the relative costs and benefits of potential actions to choose the most appropriate one.

[More Skills for Landscaping and Groundskeeping Workers \(http://online.onetcenter.org/link/details/37-3011.00#Skills\)](http://online.onetcenter.org/link/details/37-3011.00#Skills)

Data for Tasks not available.

[More Abilities for Landscaping and Groundskeeping Workers \(http://online.onetcenter.org/link/details/37-3011.00#Abilities\)](http://online.onetcenter.org/link/details/37-3011.00#Abilities)

Top Work Values (Aspects of this job that create satisfaction.)

Relationships - Occupations that satisfy this work value allow employees to provide service to others and work with co-workers in a friendly non-competitive environment.

Support - Occupations that satisfy this work value offer supportive management that stands behind employees.

[More Work Values for Landscaping and Groundskeeping Workers \(http://online.onetcenter.org/link/details/37-3011.00#Work Values\)](http://online.onetcenter.org/link/details/37-3011.00#Work Values)

Top Interests (The types of activities someone in this job would like.)

Realistic - Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions. They often deal with plants, animals, and real-world materials like wood, tools, and machinery. Many of the occupations require working outside, and do not involve a lot of paperwork or working closely with others.

Conventional - Conventional occupations frequently involve following set procedures and routines. These occupations can include working with data and details more than with ideas. Usually there is a clear line of authority to follow.

[More Interests for Landscaping and Groundskeeping Workers \(http://online.onetcenter.org/link/details/37-3011.00#Interests\)](http://online.onetcenter.org/link/details/37-3011.00#Interests)

Alternate Titles

Athletic Fieldskeepers; Care Takers; Cemetery Workers; Gardeners; Golf Course Laborers; Grass Cutters; Greens Keepers; Ground Crewmen; Grounds Caretakers; Grounds Keepers; Lawn Care Workers; and Yard Workers

Related Links

[LMI for Job Seekers \(http://www.labormarketinfo.edd.ca.gov/customers/job-seekers.html\)](http://www.labormarketinfo.edd.ca.gov/customers/job-seekers.html)

[Local Area Profile \(cgi/dataBrowsing/localAreaProfileQSResults.asp?menuChoice=&state=true&geogArea=0604000107&selectedArea=Tulare County\)](http://cgi/dataBrowsing/localAreaProfileQSResults.asp?menuChoice=&state=true&geogArea=0604000107&selectedArea=Tulare County)

[Compare Occupations \(cgi/dataBrowsing/OccCompareQSSelection.asp?menuChoice=&socCode1=373011&socTitle1=Landscaping and Groundskeeping Workers\)](http://cgi/dataBrowsing/OccCompareQSSelection.asp?menuChoice=&socCode1=373011&socTitle1=Landscaping and Groundskeeping Workers)

[O*Net - The Occupation Information Network \(http://online.onetcenter.org\)](http://online.onetcenter.org)

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California Employment Development Department

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Occupation Profile

Landscaping and Groundskeeping Supervisors

(SOC Code : 37-1012)

in Tulare County

Plan, organize, direct, or coordinate activities of workers engaged in landscaping or groundskeeping activities, such as planting and maintaining ornamental trees, shrubs, flowers, and lawns, and applying fertilizers, pesticides, and other chemicals, according to contract specifications. May also coordinate activities of workers engaged in terracing hillsides, building retaining walls, constructing pathways, installing patios, and similar activities in following a landscape design plan. Work may involve reviewing contracts to ascertain service, machine, and work force requirements; answering inquiries from potential customers regarding methods, material, and price ranges; and preparing estimates according to labor, material, and machine costs.

Employers are usually looking for candidates with Work experience in a related occupation .

Tulare County is the same as Visalia-Porterville MSA.

Occupational Wages

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Area	Year	Period	Hourly Mean	Hourly by Percentile		
				25th	Median	75th
Visalia-Porterville MSA	2014	1st Qtr	\$22.30	\$17.01	\$20.72	\$24.89

[View Wages for All Areas \(/aspdotnet/SupportPage/AllOESWage.aspx?soccode=371012\)](#) [About Wages \(/?PageId=1009\)](#)

Occupational Projections of Employment (also called "Outlook" or "Demand")

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Area	Estimated Year-Projected Year	Employment		Employment Change		Annual Avg Openings
		Estimated	Projected	Number	Percent	
Tulare County	2012 - 2022	170	200	30	17.6	6

[View Projections for All Areas \(/aspdotnet/SupportPage/AllOccPri.aspx?soccode=371012\)](#) [About Projections \(/?PageId=1011\)](#)

Job Openings from JobCentral National Labor Exchange

[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Enter a Zip Code Find a Zip code in Tulare County ([javascript:openZipCodeWin\('http://www.labormarketinfo.edd.ca.gov/cgi/career/zipcode.asp?geogArea=0604000107&formName=frmDataBrowsing'\);](#))

Within miles of Zip Code.

[Search Jobs](#)

Possible Licenses Required and Issuing Authority

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License Title

[Landscaping Contractor \(/cgi/databrowsing/licensedisplaypage.asp?licid=6998\)](#)

License Authority

Department of Consumer Affairs
Contractors State License Board
License Information Center
[www.cslb.ca.gov \(www.cslb.ca.gov\)](#)

[About Licenses \(?pageid=1010\)](#)

Industries Employing This Occupation (click on Industry Title to View Employers List)[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Industry Title	Number of Employers in Tulare County	Percent of Total Employment for Occupation in State of California
Services to Buildings and Dwellings (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=5617&geogArea=0604000107&soccode=371012&occKeyword=landscape)	286	24.2%
Other Amusement & Recreation Industries (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=7139&geogArea=0604000107&soccode=371012&occKeyword=landscape)	106	3.4%
Activities Related to Real Estate (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=5313&geogArea=0604000107&soccode=371012&occKeyword=landscape)	49	3.1%
Elementary and Secondary Schools (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=6111&geogArea=0604000107&soccode=371012&occKeyword=landscape)	276	2.3%
Accommodation (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/OccNaicscode4.aspx?menuChoice=emp&searchType=Occupation&naicscode=3721&geogArea=0604000107&soccode=371012&occKeyword=landscape)	120	1.0%
General Medical and Surgical Hospitals (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=6221&geogArea=0604000107&soccode=371012&occKeyword=landscape)	9	1.0%
About Staffing Patterns (/?PagelId=1012)		

Training Programs (click on title for more information)[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Program Title
Applied Horticulture/Horticultural Operations, General (cgi/databrowsing/traProgramSummary.aspx?menuChoice=&CipCode=010601++++&geogArea=0604000107)
Landscaping and Groundskeeping (cgi/databrowsing/traProgramSummary.aspx?menuChoice=&CipCode=010605++++&geogArea=0604000107)
Ornamental Horticulture (cgi/databrowsing/traProgramSummary.aspx?menuChoice=&CipCode=010603++++&geogArea=0604000107)
Plant Nursery Operations and Management (cgi/databrowsing/traProgramSummary.aspx?menuChoice=&CipCode=010606++++&geogArea=0604000107)
About Training & Apprenticeships (/?PagelId=1013)

About This Occupation (from O*NET - The Occupation Information Network)[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)**Top Tasks (Specific duties and responsibilities of this job.)**

Establish and enforce operating procedures and work standards that will ensure adequate performance and personnel safety.

Inspect completed work to ensure conformance to specifications, standards, and contract requirements.

Direct activities of workers who perform duties such as landscaping, cultivating lawns, or pruning trees and shrubs.

Schedule work for crews, depending on work priorities, crew or equipment availability, or weather conditions.

Plant or maintain vegetation through activities such as mulching, fertilizing, watering, mowing, or pruning.

Monitor project activities to ensure that instructions are followed, deadlines are met, and schedules are maintained.

Train workers in tasks such as transplanting or pruning trees or shrubs, finishing cement, using equipment, or caring for turf.

Inventory supplies of tools, equipment, or materials to ensure that sufficient supplies are available and items are in usable condition.

Provide workers with assistance in performing duties as necessary to meet deadlines.

Confer with other supervisors to coordinate work activities with those of other departments or units.

[More Tasks for First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers \(http://online.onetcenter.org/link/details/37-1012.00#Tasks\)](http://online.onetcenter.org/link/details/37-1012.00#Tasks)

Top Skills used in this Job

Active Listening - Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Critical Thinking - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Coordination - Adjusting actions in relation to others' actions.

Management of Personnel Resources - Motivating, developing, and directing people as they work, identifying the best people for the job.

Monitoring - Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

Speaking - Talking to others to convey information effectively.

Time Management - Managing one's own time and the time of others.

Judgment and Decision Making - Considering the relative costs and benefits of potential actions to choose the most appropriate one.

Operation Monitoring - Watching gauges, dials, or other indicators to make sure a machine is working properly.

Instructing - Teaching others how to do something.

More Skills for First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers ([#Skills](http://online.onetcenter.org/link/details/37-1012.00))

Top Abilities (Attributes of the person that influence performance in this job.)

Oral Comprehension - The ability to listen to and understand information and ideas presented through spoken words and sentences.

Oral Expression - The ability to communicate information and ideas in speaking so others will understand.

More Abilities for First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers ([#Abilities](http://online.onetcenter.org/link/details/37-1012.00))

Top Work Values (Aspects of this job that create satisfaction.)

Independence - Occupations that satisfy this work value allow employees to work on their own and make decisions.

Relationships - Occupations that satisfy this work value allow employees to provide service to others and work with co-workers in a friendly non-competitive environment.

More Work Values for First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers ([#Work Values](http://online.onetcenter.org/link/details/37-1012.00))

Top Interests (The types of activities someone in this job would like.)

Enterprising - Enterprising occupations frequently involve starting up and carrying out projects. These occupations can involve leading people and making many decisions. Sometimes they require risk taking and often deal with business.

Realistic - Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions. They often deal with plants, animals, and real-world materials like wood, tools, and machinery. Many of the occupations require working outside, and do not involve a lot of paperwork or working closely with others.

More Interests for First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers ([#Interests](http://online.onetcenter.org/link/details/37-1012.00))

Related Links

LMI for Job Seekers (<http://www.labormarketinfo.edd.ca.gov/customers/job-seekers.html>)

Local Area Profile ([cgi/dataBrowsing/localAreaProfileQSResults.asp?menuChoice=&state=true&geogArea=0604000107&selectedArea=Tulare County](cgi/dataBrowsing/localAreaProfileQSResults.asp?menuChoice=&state=true&geogArea=0604000107&selectedArea=TulareCounty))

Compare Occupations (<cgi/dataBrowsing/OccCompareQSSelection.asp?menuChoice=&socCode1=371012&socTitle1=Landscaping and Groundskeeping Supervisors>)

O*Net - The Occupation Information Network (<http://online.onetcenter.org>)

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**California Employment
Development Department**[Change Occupation](#)**Occupation Profile****Landscape Architects
(SOC Code : 17-1012)
in Tulare County**

Plan and design land areas for such projects as parks and other recreational facilities, airports, highways, hospitals, schools, land subdivisions, and commercial, industrial, and residential sites.

Employers are usually looking for candidates with a Bachelor's degree .

Tulare County is the same as Visalia-Porterville MSA.

Occupational Wages[Top](#)

Area	Year	Period	Hourly Mean	Hourly by Percentile		
				25th	Median	75th
California	2014	1st Qtr	\$39.54	\$29.78	\$37.54	\$49.44

[View Wages for All Areas \(/aspdotnet/SupportPage/AllOESWage.aspx?soccode=171012\)](#) [About Wages \(/?PageId=1009\)](#)

Occupational Projections of Employment (also called "Outlook" or "Demand")[Top](#)

Projections for this occupation in Tulare County are not available.

[View Projections for All Areas \(/aspdotnet/SupportPage/AllOccPrj.aspx?soccode=171012\)](#) [About Projections \(/?PageId=1011\)](#)

Job Openings from JobCentral National Labor Exchange[Top](#)

Enter a Zip Code [Find a Zip code in Tulare County \(javascript:openZipCodeWin \('http://www.labormarketinfo.edd.ca.gov/cgi/career/zipcode.asp?geogArea=0604000107&formName=frmDataBrowsing'\)\)](#)

Within miles of Zip Code.

[Search Jobs](#)

Possible Licenses Required and Issuing Authority[Top](#)**License Title****License Authority**

[Landscape Architect, Licensed \(/cgi/databrowsing/licensedisplaypage.asp?licid=727\)](#)

Department of Consumer Affairs
Landscape Architects Technical Committee
Licensing Unit
www.latc.ca.gov (www.latc.ca.gov)

[About Licenses \(?pageid=1010\)](#)

Industries Employing This Occupation (click on Industry Title to View Employers List)[Top](#)

Industry Title	Number of Employers in Tulare County	Percent of Total Employment for Occupation in State of California
Architectural and Engineering Services (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=5413&geogArea=0604000107&soccode=171012&occKeyword=landscape)	120	50.5%
Services to Buildings and Dwellings (http://www.labormarketinfo.edd.ca.gov/aspdotnet/databrowsing/EmpResults.aspx?menuChoice=emp&searchType=Occupation&naicscode=5617&geogArea=0604000107&soccode=171012&occKeyword=landscape)	286	4.1%
About Staffing Patterns (/?PagelId=1012)		

Training Programs (click on title for more information)

[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Program Title
Environmental Design/Architecture (cgi/databrowsing/traProgramSummary.asp?menuChoice=&CipCode=040401++++&geogArea=0604000107)
Landscape Architecture (BS, BSLA, BLA, MSLA, MLA, PhD) (cgi/databrowsing/traProgramSummary.asp?menuChoice=&CipCode=040601++++&geogArea=0604000107)
About Training & Apprenticeships (/?PagelId=1013)

About This Occupation (from O*NET - The Occupation Information Network)

[\[Top\] \(javascript:window.scrollTo\(0,0\);\)](#)

Top Tasks (Specific duties and responsibilities of this job.)
Confer with clients, engineering personnel, or architects on landscape projects.
Prepare site plans, specifications, or cost estimates for land development.
Develop marketing materials, proposals, or presentation to generate new work opportunities.
Analyze data on conditions such as site location, drainage, or structure location for environmental reports or landscaping plans.
Inspect landscape work to ensure compliance with specifications, evaluate quality of materials or work, or advise clients or construction personnel.
Prepare graphic representations or drawings of proposed plans or designs.
Present project plans or designs to public stakeholders, such as government agencies or community groups.
Integrate existing land features or landscaping into designs.
Manage the work completed by subcontractors to ensure quality control.
Create landscapes that minimize water consumption such as by incorporating drought-resistant grasses or indigenous plants.
More Tasks for Landscape Architects (http://online.onetcenter.org/link/details/17-1012.00#Tasks)

Top Skills used in this Job
Active Listening - Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
Reading Comprehension - Understanding written sentences and paragraphs in work related documents.
Coordination - Adjusting actions in relation to others` actions.
Speaking - Talking to others to convey information effectively.
Critical Thinking - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
Judgment and Decision Making - Considering the relative costs and benefits of potential actions to choose the most appropriate one.
Complex Problem Solving - Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
Operations Analysis - Analyzing needs and product requirements to create a design.
Time Management - Managing one`s own time and the time of others.
Writing - Communicating effectively in writing as appropriate for the needs of the audience.
More Skills for Landscape Architects (http://online.onetcenter.org/link/details/17-1012.00#Skills)

Top Abilities (Attributes of the person that influence performance in this job.)
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Oral Expression - The ability to communicate information and ideas in speaking so others will understand.

Oral Comprehension - The ability to listen to and understand information and ideas presented through spoken words and sentences.

Written Comprehension - The ability to read and understand information and ideas presented in writing.

Visualization - The ability to imagine how something will look after it is moved around or when its parts are moved or rearranged.

Near Vision - The ability to see details at close range (within a few feet of the observer).

Written Expression - The ability to communicate information and ideas in writing so others will understand.

Originality - The ability to come up with unusual or clever ideas about a given topic or situation, or to develop creative ways to solve a problem.

Problem Sensitivity - The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.

Deductive Reasoning - The ability to apply general rules to specific problems to produce answers that make sense.

Category Flexibility - The ability to generate or use different sets of rules for combining or grouping things in different ways.

[More Abilities for Landscape Architects \(http://online.onetcenter.org/link/details/17-1012.00#Abilities\)](http://online.onetcenter.org/link/details/17-1012.00#Abilities)

Top Work Values (Aspects of this job that create satisfaction.)

Independence - Occupations that satisfy this work value allow employees to work on their own and make decisions.

Working Conditions - Occupations that satisfy this work value offer job security and good working conditions.

[More Work Values for Landscape Architects \(http://online.onetcenter.org/link/details/17-1012.00#Work Values\)](http://online.onetcenter.org/link/details/17-1012.00#Work Values)

Top Interests (The types of activities someone in this job would like.)

Artistic - Artistic occupations frequently involve working with forms, designs and patterns. They often require self-expression and the work can be done without following a clear set of rules.

Investigative - Investigative occupations frequently involve working with ideas, and require an extensive amount of thinking. These occupations can involve searching for facts and figuring out problems mentally.

[More Interests for Landscape Architects \(http://online.onetcenter.org/link/details/17-1012.00#Interests\)](http://online.onetcenter.org/link/details/17-1012.00#Interests)

Related Links

[LMI for Job Seekers \(http://www.labormarketinfo.edd.ca.gov/customers/job-seekers.html\)](http://www.labormarketinfo.edd.ca.gov/customers/job-seekers.html)

[Local Area Profile \(cgi/dataBrowsing/localAreaProfileQSResults.asp?menuChoice=&state=true&geogArea=0604000107&selectedArea=Tulare County\)](http://data.browsersing/localAreaProfileQSResults.asp?menuChoice=&state=true&geogArea=0604000107&selectedArea=Tulare County)

[Compare Occupations \(cgi/dataBrowsing/OccCompareQSSelection.asp?menuChoice=&socCode1=171012&socTitle1=Landscape Architects\)](http://data.browsersing/OccCompareQSSelection.asp?menuChoice=&socCode1=171012&socTitle1=Landscape Architects)

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