

PROGRAM APPROVAL APPLICATION
NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED
(This application may not exceed 3 pages)

Fill In Form

Horticulture Science

Proposed Program Title

Mt. San Antonio College

College

Mt. San Antonio College

District

July 1, 2015

Projected Program Start Date

Jemma Blake-Judd

Voting Member

Associate Dean, Technology & Health

Title

909-594-5611 X3934

Phone Number

jbjud@mtsac.edu

E-mail Address

Goal(s) of Program (Check all that apply):

Career Technical Education (CTE)

Transfer

Other

Type of Program (Check all that apply):

A.S. Degree

A.A. Degree

Certificate of Achievement:

18+ semester (or 27+ quarter) units

12-18 semester (or 18-27 quarter) units

Reason for Approval Request: (Check One)

New Program

Substantial Change

Locally Approved

Program Information

Recommended Taxonomy of Program (TOP) Code 010900

Units for Major-Degree n/a

Total Units for Degree n/a

Required Units-Certificate 18

Written Form

1. Insert the description of the program as it will appear in the catalog.

The courses in Horticulture Science are designed to enable students to prepare for exciting careers in the essential and diverse horticulture profession. Careers in nursery management, retail garden centers, landscape design, installation and maintenance, arboretum and botanic gardens, arboriculture, interior landscaping, education, and research are just some of the options. This certificate is part of Mt. SAC's comprehensive Agricultural Sciences program. The program is unique in that most of its courses provide hands-on experience and are designed to give the student a combination of practical skills and technical knowledge.

2. Provide a brief rationale for the program.

Mt. SAC's horticulture advisory committee made the recommendation to modify nine certificates and create three new certificates in order to provide students with the opportunity to acquire a greater variety of specific skill sets, increasing the diversity of employment opportunities.

3. List all courses required for program completion, including core requirements, restricted electives and prerequisites. (Push Enter after each entry to begin a new line)

Courses	Course No.	Course Title	Units
Horticultural Science	AGOR 1	Horticultural Science	3.00
Integrated Pest Management	AGOR 24	Integrated Pest Management	3.00
Ornamental Plants - Herbaceous	AGOR 29	Ornamental Plants - Herbaceous	3.00
Ornamental Plants - Trees and Woody Shrubs	AGOR 30	Ornamental Plants - Trees and Woody Shrubs	3.00
Turf Grass Production and Management	AGOR 39	Turf Grass Production and Management	3.00
Soil Science and Management	AGOR 50	Soil Science and Management	3.00

4. Summarize the Labor Market Information and employment outlook (including citation of the source of the data) for students exiting the program.

According to the Bureau of Labor Statistics (May of 2012), a Horticulture Science Certificate would prepare students for careers in the following categories:

Job Category	# of California Jobs	Mean Hourly Wage	Mean Annual Wage
Landscape Supervisor	9,840	\$23.52	\$48,930
Pesticide Handlers	2,760	\$17.09	\$35,540
Tree Trimmers	5,470	\$18.04	\$37,530

Those with a Horticulture Science Certificate would be also be preparing for a career in the Agricultural Management sector. The statistics clump this with Farmers and Ranchers, so it is difficult to say with certainty exactly how many of the "additional openings due to net replacements – 1,950 jobs" would fit into the Agriculture Manager category, but there are potentially many positions statewide.

Below you will find labor market data for Los Angeles, Orange County and the Inland Empire.

Description	2013 Jobs	2016 Jobs	Change	% Change	Openings	Annual Openings	Median Hourly Earnings
Landscape Architects	1,032	1,053	21	2%	119	40	\$30.11
Landscaping and Groundskeeping	75,952	79,340	3,388	4%	9,472	3,157	\$11.15
Pesticide Handlers	1,041	1,110	69	7%	156	52	\$14.93
Tree Trimmers and Pruners	4,020	4,241	221	5%	545	182	\$14.39
Total	82,044	85,745	3,701	5%	10,292	3,431	\$11.60

Source: QCEW Employees, Non-QCEW Employees & Self-Employed - EMSI 2014.2 Class of Worker

5. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (Push Enter after each entry to begin a new line)

College	Program	Who you Contacted	Outcome of Contact
Orange Coast College	Horticulture Science	Rick Harlow	He supports us
Long Beach City College	Horticulture Science	Jorge Ochoa	No response

6. Include any other information you would like to share.

[Click here to enter text.](#)