

## PROGRAM REVIEW Fall 2017

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**Program:** Horticulture

**Division:** MSEPS

**Date:** October 18, 2017

**Writer(s):** Thomas Fuller

**SLO/SAO Point-Person:**

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**Audience:** Deans, Vice Presidents of Student Services and Academic Services, All Planning and Allocation Committees. This document will be available to the public.

**Uses:** This Program Review will be used to inform the campus and community about your program. It will also be used in the processes of creating Division Summaries, determining College Planning Priorities and allocating resources. A final use is to document fulfillment of accreditation requirements.

**Time Frame:** This Program Review should reflect on program status during the 2016-17 academic year. It should describe plans starting now and continuing through 2017-18. This document also provides the opportunity to describe more long-term plans (optional).

**Sections:** The first section of this Program Review focuses on general program reflection and planning. The second section is a review of curriculum. Only programs with curriculum need to complete Section 2. The third section is a CTE update, to be completed by CTE programs only.

**Topics:** A list of topics of particular interest to Program Review readers can be found here:

<https://goo.gl/23jrxt>

**Help:** Contact Karin Spirm: [kspirm@laspositascollege.edu](mailto:kspirm@laspositascollege.edu)

### **Instructions:**

- 1) Please respond to each question as completely as possible.
- 2) If the requested information does not apply to your program, write "Not Applicable."
- 3) Optional: Meet with your dean to review this document before October 13.
- 4) Send an electronic copy of this form to Karin Spirm and your Dean by October 16

### **Links:**

Program Review Home Page: <https://goo.gl/XATqjJ>

Fall 2016 Program Review Updates : <https://goo.gl/YV8QOt>

Frequently Asked Questions: <https://goo.gl/ilhRtt>

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## Section One: Program Snapshot

**A. Data Review: Describe any significant changes to your program’s data since last year’s Program Review Update (Fall 2016).**

Possible sources of relevant information might include, but are not limited to, the following:

- Data generated by your program
- Data from the Office of Institutional Research (<https://goo.gl/WuR9cQ>)
- CEMC Data
- Labor Market Data
- SLO/SAO Data

We have been able to offer 3 classes per semester.

**B. Changes to Program and Needs: Describe any significant changes to your program or your program’s needs since the previous Program Review Update (Fall 2016).**

<p><b>We need to revise the curriculum, in order to offer all required courses within a 2 year period.</b></p>	Mark an X next to each area that is addressed in your response.																												
	Definitions of terms: <a href="https://goo.gl/23jrxt">https://goo.gl/23jrxt</a>																												
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px; border: none;"></td> <td style="border: none;">Community Partnerships/Outreach</td> </tr> <tr> <td style="border: none; text-align: center;">x</td> <td style="border: none;">Curriculum*</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Enrollment Management</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">External Factors</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Facilities,** Supplies and Equipment (Including Software)</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Financial/Budgetary</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Human Resources</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Learning Support</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">LPC Planning Priorities <a href="https://goo.gl/LU99m1">https://goo.gl/LU99m1</a></td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Pedagogy</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Professional Development</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Services to Students</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">SLO/SAO Process</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Technology Use</td> </tr> </table>		Community Partnerships/Outreach	x	Curriculum*		Enrollment Management		External Factors		Facilities,** Supplies and Equipment (Including Software)		Financial/Budgetary		Human Resources		Learning Support		LPC Planning Priorities <a href="https://goo.gl/LU99m1">https://goo.gl/LU99m1</a>		Pedagogy		Professional Development		Services to Students		SLO/SAO Process		Technology Use
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	addressed in Question H.
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**C. Reflection: What plans from the [2016 Program Review Update](#) or any [previous Program Reviews/Updates](#) have been achieved and how?**

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**D. Impacts to Students (Optional): Discuss at least one example of how students have been impacted by the work of your program since the last Program Review Update (only if you did not already answer this in Questions A, B or C).**

<p><b>We have been working in conjunction with Sunflower Hill, Pleasanton Unified, and other agencies to start a Adaptive Horticulture Program for those with mild to moderate disabilities. So far 2 of our Horticulture students from 2016-2017 have been employed as classroom aides in this program.</b></p>	Mark an X next to each area that is addressed in your response.
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**E. Obstacles: What obstacles has your program faced in achieving plans and goals?**

<p><b>1. Our biggest obstacle is lack of classroom and lab facilities. Since losing our class/lab room several years ago, Horticulture classes have been bounced around several classrooms in several different buildings. Most of those rooms have no storage space or lab facilities. Some are located in buildings that are remote from our greenhouse and horticulture yard.</b></p> <p><b>2. We have a lack of adequate storage in our Horticulture Yard. Motorized equipment is being left out to weather in the sun, and rain, thereby shortening their useful lives. Our parts and supplies our crammed into a connex container that is too small, and not well suited to efficient organization and storage.</b></p> <p><b>3. The shade house is suffering from old age, built in 1980. The framework is good, but the fabric is beginning to rip and tatter. The irrigation system to the shade house and rest of the Horticulture Yard is almost totally non-functional. Only 2 stations of more than a dozen are still functioning from the automatic controller.</b></p> <p><b>4. Curriculum needs to be revised, as stated above. Also, at some point we will need to expand our offerings to 4 classes per semester, in order to offer all our courses in a timely manner.</b></p> <p><b>5. One of our new classes, CAD Landscape Design, cannot be offered yet, due to lack of a classroom with CAD capability. This needs to be addressed in our new master plan. A fully CAD capable classroom could be shared between Horticulture, Interior Design, or Engineering.</b></p>	Mark an X next to each area that is addressed in your response.
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**F. Short Term Planning: What are your most important plans (either new or continuing) for next year?**

<p><b>1. Implementation of non-credit classes for our Adaptive Horticulture Program.</b></p> <p><b>2. Improvement of equipment to offer instruction in hydroponics and aquaponics.</b></p>	Mark an X next to each area that is addressed in your response.	
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**Facilities will also be addressed in Question H.		

**G. Long Term Planning (Optional): Please detail any long-term plans for the next 3-5 years. (Only if you have significant plans, such as implementation of a grant project, creation of long-term initiatives including those using restricted funds such as Equity or SSSP, construction and outfitting of a new building).**

<p><b>1. We need significant input into the 2018 Master Plan. A new Horticulture facility is being planned. We need to make sure that our class/lab and greenhouse are built as free-standing structures, and not part of a large classroom building. We also need to insure that we are allocated adequate, shade and equipment structures, growing grounds, demonstration areas, and equipment to fulfill the needs of the Horticulture program.</b></p> <p><b>2. Implementation of the full 5 course Adaptive</b></p>	Mark an X next to each area that is addressed in your response.	
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	x	Curriculum*
		Enrollment Management
		External Factors

<b>Horticulture Program, including internships.</b>		Facilities,** Supplies and Equipment (Including Software)
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H. Do you have any facilities needs that are currently unmet? If yes, please describe.

1. We have no dedicated classroom/lab.
2. We have no access to a room with drafting tables and CAD capability.
3. We do not have a covered storage area for motorized equipment.
4. We do not have adequate storage room for program supplies and tools.
5. The irrigation system to most of our Hort Yard is non-functional.
6. We do not have adequate bulk material storage bins to meet our needs.

I. Mission: Explain how your program's plans and accomplishments support the mission of Las Positas College:

*Las Positas College is an inclusive learning-centered institution providing educational opportunities and support for completion of students' transfer, degree, basic skills, career-technical, and retraining goals.*

The Horticulture Credential Program is preparing students to enter a variety of Horticultural careers, as well as helping those already employed to advance. We are also offering an A.S. degree in Horticulture and preparing students to transfer to 4 year Horticultural Programs.

J. Program-Set Standard (Instructional Programs Only): Did your program meet its program-set standard for successful course completion?  yes  no

(This data can be found here: <https://goo.gl/b59nCy>)

If your program did not meet your program-set standard, discuss possible reasons and how this may affect program planning or resource requests.

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**K. SLO/SAO Reflection: Describe an example of how your program used course SLO data (CSLOs), Student Service Area Outcome (SAO) data or Program SLO data (PSLOs) from last year (2016-17) to impact student learning or achievement. Focus on PSLOs or CSLOs where you have multiple semesters of data to analyze. (Copy the box below if you would like to discuss multiple examples.)**

Course Name, Program Name or Student Service Area: none
Text of the CSLO, SAO, or PSLO:
Describe the quantitative or qualitative results: none
Discuss and reflect upon student achievement for this CSLO/PSLO/SAO. Discuss any actions taken so far (and results, if known) and your action plan for the future: It is difficult to relate CSLO/PSLO/SAO information to student achievement in the field of horticulture. Obviously we need to work on this area.
What changes in student achievement are evident across the semesters you analyzed? What are some possible explanations for these changes in student achievement? SLO/SAO data was not useful in impacting student learning or achievement.

**L. Plans for Analysis of SLO/SAO Data: Identify the PSLOs, CSLOs, or SAOs that your program plans on focusing on the upcoming year with subsequent analysis. (Copy the box below as needed.)**

Circle One: CSLO    PSLO    SAO (We do not plan on using this data at this time.)
Course, Program Name, or Student Service Area:
Text of CSLO/PSLO/SAO:
If you plan on analyzing a PSLO, identify the CSLOs that feed into the PSLO that will need to be assessed. We need to work on this area.

**Section Two: Curriculum Review  
(Programs with Courses Only)**

The following questions ask you to review your program's curriculum. To see the last outline revision date and revision due date:

1. Log in to CurricUNET
2. Select "Course Outline Report" under "Reports/Interfaces"
3. Select the report as an Excel file or as HTML

**Curriculum Updates**

**A. Title V Updates:** Are any of your courses requiring an update to stay within the 5 year cycle? List courses needing updates below.

Hort. 50, 51, 52, 53, 54, 55, 56, 59, 60, 62. & 63

**B. Degree/Certificate Updates:** Are any degrees/certificates requiring an update to do changes to courses (title, units) or addition/deactivation of courses? List needed changes below.

Yes. We are currently in the process of reevaluating Degree and Certificate programs. One change involves reducing the number of units for elective horticulture courses from 3 to 2. Hort. 67, Hort. 71, and Hort.72.

**C. DE Courses/Degrees/Certificates:** Detail your department's plans, if any, for adding DE courses, degrees, and/or certificates. For new DE degrees and/or certificates (those offered completely online), please include a brief rationale as to why the degree/certificate will be offered online.

No DE courses are planned for the near future.



**Section Three: CTE Updates  
(CTE Programs Only)**

**A. Labor Market Conditions:** Examine your most recent labor market data. Does your program continue to meet a documented labor market demand? Does this program not represent unnecessary duplication of other training programs in the college's service area? (Please note: your labor market data should be current within two years. Contact [Vicki Shipman](#) or the current CTE Project Manager for access to data).

The Centers of Excellence Community College Consortia (COECCC) data projects 317 annual Horticulture related job openings between 2015-2018. The COECCC data reports an average total of 163 Horticulture Program completers per year from 2012 to 2016, yielding a demand of 154 openings per year of the combined occupations (SOC Codes). Geographic area: SF Bay Area Counties.

(Source: Data compiled by and used with the permission of the Centers of Excellence Community College Consortia. More information available at [www.COECCC.net](http://www.COECCC.net).)

**B. Advisory Boards:** Has your program complied with advisory board recommendations? If not, please explain.

The board has only met once, and not made any recommendations. We are scheduled to meet again in Oct. 2017.

**C. Strong Workforce Program Metrics:** Utilizing LaunchBoard, review the Strong Workforce Program Metrics. Review the data and then answer the following questions.

(Contact [Vicki Shipman](#) or the current CTE Project Manager for help accessing the data).

C1. Does your program meet or exceed the regional and state medians **for increased enrollments, completions, and/or transfer since your last program review**? If not, what program improvements may be made to increase this metric?

**Enrollments:** LPC 117; EastBay 444; Entire Bay Area 280; State 154. LPC's enrollments do not exceed the EastBay, Entire Bay and State. To increase enrollments, make connections with learning communities, such as those in the Adaptive Horticulture Program, as well as local employers, like those involved with our advisory board.  
**LPC Completions:** LPC 0; EastBay 6; Entire Bay Area 6; State 6. LPC's completions meet the EastBay and Entire Bay Area however not State. To increase completions, faculty will encourage students to complete paperwork to earn their certification/degree; faculty will encourage Student Services to effectively implement DegreeWorks; and, we plan to offer all the required courses for degrees and certificates within a 2 year cycle.  
**LPC Transfer:** There are insufficient data to calculate this metric. Possible issue with LPC TOP Code.

C2. Does your program meet or exceed the regional and state medians **for students gaining employment in their field of study**? If not, what program improvements may be made to increase this metric?

**There are insufficient data to calculate this metric. Possible issue with LPC TOP Code.**

C3. Does your program meet or exceed the regional and state medians **for student employment rates after leaving the college**? If not, what program improvements may be made to increase this metric?

**There are insufficient data to calculate this metric. Possible issue with LPC TOP Code.**

C4. Does your program meet or exceed the regional and state medians **for increased student earnings and median change in earnings**? If not, what program improvements may be made to increase this metric?

**There are insufficient data to calculate this metric. Possible issue with LPC TOP Code.**