



### Program Review Peer Review

<b>Program/Division/Area Name:</b>	Math, Science & Engineering
<b>Date:</b>	11/5/2019

On behalf of the Program Review Committee (PRC), we thank you for your time and effort in completing the Comprehensive Program Review this year and for your ongoing efforts to continuously improve AVC's programs and services for our students. Your program review allows the rest of AVC to better understand your efforts and how they support the college mission, vision, EMP and other goals.

### Program Review Committee Feedback

<i>Program Review Report Section</i>	<i>Exemplary:</i> Reflects a clear and thorough report that presents a well-documented review of the program.	<i>Adequate:</i> The self-study adequately presents program information for each section e.g. analysis of data; narrative information is provided regarding goals/objectives, planning, and recommendations relating to the analysis and use of data, institutional learning outcomes, and mission.	<i>Improvement Needed:</i> One or more sections of the report are lacking and/or contain some inaccuracies. The report must be revised and resubmitted in order to meet the requirements of the program review process. Complete/revise Part(s) mentioned in the Comments Section.	<i>Comments:</i>
Program Overview, Overall	<input type="checkbox"/>	X	<input type="checkbox"/>	
1.1. Program's contribution to the District Mission	X	<input type="checkbox"/>	<input type="checkbox"/>	The various disciplines clearly answered the questions including concise documentation.
1.2. Program highlights	X	<input type="checkbox"/>	<input type="checkbox"/>	Clearly some excellent work being done and the faculty have done a good job documenting those highlights here.
2.A. Results of environmental scan information for program	<input type="checkbox"/>	<input type="checkbox"/>	X	See comments by discipline. Several left this area blank. It must be completed in the future.

2.B. Analysis of program review data	X	<input type="checkbox"/>	<input type="checkbox"/>	Overall, thoughtful SWOT analysis by most disciplines.
2.C. Progress towards SLO/PLO/OO Action Plans	<input type="checkbox"/>	X	<input type="checkbox"/>	See comments by discipline. There appears to be some level of misunderstanding and / or a lack of prior Action Plans that should be addressed in the future.
2.D. Progress towards past program review goals	<input type="checkbox"/>	X	<input type="checkbox"/>	See comments by discipline.
3. 2020-2021 Planning: Division/Program/Area Goals	<input type="checkbox"/>	X	<input type="checkbox"/>	See comments by discipline. Overall, the division has written meaningful goals, but avoid including hiring personnel and/or acquiring resources as a goal in the future.
4. Resource Requests that Support Program Needs	<input type="checkbox"/>	X	<input type="checkbox"/>	See comments by discipline. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.

**Additional Comments:** Overall, this is a thoughtful Program Review report for the division, but quality varied from one discipline to the next. Comments specific to each discipline can be found below. A common theme was not answering Part 2A. For CTE programs, Advisory Committee minutes and recommendations can be used, as well as labor market data, which is required. For non-CTE programs, faculty should collaborate and discuss what internal and external factors may be affecting their areas, and should consider the use of student surveys, student transfer rates, etc.

-Agriculture: Part 2A should not be blank and must be completed in the future. Very thoughtful SWOT in Part 2B. Part 2C and 2D are bit vague and should be more specific in addressing progress toward previous Action Plans and Program Review goals. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.

-Biology: Part 2A should not be blank and must be completed in the future. Very thoughtful SWOT in Part 2B. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.

-Math: Nice job

- Astronomy: Part 2A should not be blank and must be completed in the future. Part 2B SWOT analysis is incomplete and must be completed in the future. The only goal in Part 3 is simple and admirable, but the steps to achieve this goal may need more consideration. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.
- Chemistry: Part 2A should not be blank and must be completed in the future. Part 2C should not be blank and must be completed in the future, addressing previous Action Plans. In Part 3, hiring faculty is not a goal, but rather a tool to achieve a goal, possibly Goals #2 and #3. This will need to be written differently in the future. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.
- Engineering: Part 1.3 & 1.4 probably shouldn't have every box checked. Please consider this more carefully in the future. Very thoughtful SWOT in Part 2B. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.
- Geosciences: Great highlight in Part 1.2. Part 2A should not be blank and must be completed in the future. Part 2C is a bit vague and does not directly address progress toward previous Action Plans. In Part 3, hiring is not a goal, but rather a tool to achieve a goal. In this case, the goal might be to provide more support to students in the lab setting. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.
- Physical Sciences: Part 1.2 should not be blank and must be completed in the future. Undoubtedly the program has highlights and accomplishments. Part 2A should not be blank and must be completed in the future. Part 2C seems to have been misunderstood. In the future, you need to directly address progress toward previous Action Plans. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.
- Physics: Part 1.3 & 1.4 probably shouldn't have every box checked. Please consider this more carefully in the future. Part 2A should not be blank and must be completed in the future. In Part 3, it seems that you are commenting on past goals. You were supposed to use this area to write your new Program Review Goals. You may want to take some time to write 2018-2019 Program Review goals, otherwise it will be difficult to complete Part 2D on your 2019-2020 Program Review. Resource requests in Part 4 need to be supported by Goals in Part 3. Try to more directly connect these in the future.
- Water Treatment: Part 2C seems to have been misunderstood. In the future, you need to directly address progress toward previous Action Plans. Part 2D should not be blank and in the future should directly address progress toward previous Program Review Goals. In Part 3, the steps to achieve goals may need more thoughtful consideration. "Outreach" is not really a goal. The goal may be to

increase awareness of and enrollment in the program, and outreach may be a step to achieve that goal. Discipline faculty may want to consider if resource requests are needed to support the program in the future.