

# FACULTY NEEDS ASSESSMENT APPLICATION

## Fall 2019

Name of Person Submitting Request:		<b>Joshua Milligan / Bryce Cacho</b>
Program or Service Area:		<b>Welding Technology</b>
Division:		<b>Applied Technology, Transportation and Culinary Arts</b>
Date of Last Program Efficacy:		<b>Spring 2019</b>
What rating was given?		<b>Continuation</b>
# of FT faculty 2	# of Adjuncts 7	Faculty Load ( <b>per semester</b> ): 1.3 approx
Position Requested:		1 Full-time Faculty
Strategic Initiatives Addressed:		1, 2, and 3
Needs Assessment Resources (includes Strategic Initiatives):		<a href="https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php">https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php</a>

1. Provide a rationale for your request. (Explain, in detail, the need for this position.)

The program has a shortage of full-time faculty. The latest EMP puts the FTEF at 10.05 with only 2 full time instructors and 7 adjuncts. This puts a lot of strain on the full-time faculty. The two full time faculty members always carry overloads and in addition serve and the department co-chairs for three programs. Two of the adjuncts are teaching overloads this semester to cover the classes required to try and meet student demand. This helped for this semester but since they are adjuncts they are not allowed to do an overload again for some time. The appropriate long-term solution will be to hire an additional full-time faculty. The program has also added eight new courses because of the industry advisors' recommendations. These classes need to be included on the schedule to successfully train students in timely manner. The department would also like to offer an accelerated program to help decrease the time it takes students to complete and achieve successful job placement. This will also allow us to offer more course to the students.

2. Indicate how the content of the department/program's latest Efficacy Report and/or current EMP supports this request and how the request is tied to program planning. (*Directly reference the relevant information from your latest Efficacy Report and/or current EMP in your discussion.*)

The current EMP shows that our program is growing in every area. The program has seen 119.93% growth in FTES from 2015-16 year to now which clearly demonstrates that there is demand for Welding classes and certificates. Current duplicated enrollment is 556. This has grown from 326 from the 2015-16 year. This an increase in enrollment by 70.55%. FTEF has increased from 7.06 to 10.05 in the same time frame. The WSCH per FTEF has also increased from 210 to 325 and is currently the most efficient program in the Applied Technology, Culinary Arts and Transportation division. The efficacy report analysis from the team showed that the program demonstrates that there is indeed student demand for welding classes. They have also recognized that the program is productive at an acceptable level and that it is at it highest level of FTES in 2018 for the 5-yr period.

3. Indicate any additional information you want the committee to consider (*for example, course fill rates, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

The enrollment has significantly increased over the last several years. This significant growth trend is expected to continue as the demand for welders is increasing in our region. The welding program was recognized by the Strong Workforce Program for increasing its students' earnings which was anticipated as it provides well trained workers for the local economy. Data from The Center of Excellence shows that there will be an estimated 24.6% increase in welding jobs in the Riverside/San Bernardino/Ontario area between 2014-2024 with only a 15.6% increase for California showing a significant demand in our region. Meeting this industry demand will be impossible for the program without an additional full-time faculty. The program has already reorganized all available lab space to improve efficiency and to accommodate for this demand in the best possible way. The program fully utilizes three labs which would allow students to finish the program more quickly with the addition of another full-time faculty. The program has also purchased more equipment with awarded grant funds to improve the quality of instruction and to increase cap size. This has helped increase program efficiency and scheduling. The program is now at a point where an additional full-time faculty is necessary to adequately support the success of the students. Part time instructors for welding have also proven extremely difficult to recruit as most welders don't have degrees and are currently making more money in the industry than they can teaching.

4. What are the consequences of not filling this position?

By not filling this position, the program will have to reduce the number of classes being offered which will drastically/detrimentally affect the program in every measurable category. Some of the courses will become inactive caused by not being able to offer them within two year requirement. This will affect student's ability to complete certificates and degrees that are currently being offered in a timely matter and will cause students to choose alternative schools to receive training rather than San Bernardino Valley College. The curriculum is up to date with the industry and requested by the program's advisory committee. Without an additional full-time instructor the program will not be able to meet the industry requests for training which will then cause the industry to no longer hire our students.