CLASSIFIED STAFF NEEDS ASSESSMENT APPLICATION
Fall 2019

Name of Person Submitting Request:	**Joshua Milligan / Bryce Cacho**			
Program or Service Area:	**Welding Technology**			
Division:	**Applied Technology, Transportation and Culinary Arts**			
Date of Last Program Efficacy:	**Spring 2019**			
What rating was given?	**Continuation**			
Current Number of Classified Staff	FT:	0	PT:	**0**
Position Requested:	**Laboratory Technicians**			
Strategic Initiatives Addressed:	1 and 2			
Needs Assessment Resources (includes Strategic Initiatives):	https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php			

Replacement ☐ Growth x

If you checked replacement, when was the position vacated? _____

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

The Welding Technology has no instructional support to certificated faculty in the instruction of students enrolled in the Welding Technology Program. Theses duties of order, issues, prepares, and maintains laboratory materials, supplies, and associated equipment are drastically unmet. This means the instructors are responsible for supervising and maintaining all laboratory supplies, materials, equipment, and records. This time is taken away from students and is linked to the low success of 77% we see in our EMP. Also, having no one to maintain laboratory equipment leads to constant equipment failure which again takes away from the instructor's time with the students while the faculty are required to do maintenance and repair work rather than teach the students. The lack of instructional support which includes inventory and simple maintenance on the equipment has caused the cost of equipment and supplies to keep going up.

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 Welding Technology has earned a Strong Workforce Program Bronze Star for boosting earning of its students. The program primary goal is to help student success. The success rate of 77% for this program is not where it should be. This can be directly tied to not having a laboratory technician. Every class meeting students lose valuable instruction time due to the instructors having no laboratory technician. The program has seen 119.93% growth in FTES from 2015-16 year to now which indeed demonstrates that there is demand for Welding classes and certificates. It is very important that these students get the support they need to become more successful. This was a recommendation made during the efficacy review as well. With duplicated enrollment at 556 which is a 70.55% growth from the 2015-16 year it is getting harder to maintain the equipment. This again leads to machines going down during instruction time.

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

Student success should be our most important indicator. The success rate is 77% and has been as low as 72% during the last 5 years. This program has three labs full of equipment that need constant preventive maintenance: Lab 112A has 38 welding machines worth about $180,000, 10 fabrication machines worth about $80,000, and 9 pieces of inspection equipment worth about $200,000, Lab 121 has 24 welding machines worth $130,000, 2 metal preparation machines worth about $45,000, and Lab 122 has 26 machines worth $52,000. The program also has a two metal yards and shipping containers full of consumables that must always be restocked and inventoried. Without laboratory technicians who should be responsible for ordering supplies and consumables, issues material, prepares material, and maintains laboratory equipment, supplies, and associated equipment, the instructors must complete these duties while trying to teach and help students. This takes away valuable time from students daily and has led to low success rates and need to be addressed. Operating at this rate needs at least 2 full time Laboratory Technicians to maintain labs running from Monday-Saturday from 8:00 Am to 10:00 Pm.

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

The Welding Technology Program has been doing everything it can to keep up with the growth. At this point if this position is not filled, we will see student success drop even lower and cost of maintaining the program increase. Student success is already low, and any more decreases will cause students to get even more frustrated and leave the program. These students need the support to maintain the programs large demand by having three labs. The cost of the welding program is already high and operates on a limited budget. Without a laboratory assistant helping to maintain the programs equipment, the machines will continue to break down costing more money to fix or possibly even require premature replacement. This could all be prevented by having laboratory technicians doing preventive maintenance. With the program equipment worth about $500,000, not putting the resources to maintain this equipment will cost the college more than it would to fill it.