EQUIPMENT NEEDS ASSESSMENT APPLICATION
Fall 2019

Name of Person Submitting Request:	**Miguel Ortiz**
Program or Service Area:	**Machinist technology**
Division:	**Applied technology, transportation and culinary arts**
Date of Last Program Efficacy:	**Spring 2015**
What rating was given?	**Continuation**
Equipment Requested	**Computer numerical control (CNC) lathe and mill**
Amount Requested:	**$160,000**
Strategic Initiatives Addressed:	1.11, 1.9 ,2.8.10 ,2.11 ,2.11.2 ,2.16 ,5.2 ,5.4.1 ,6.6
Needs Assessment Resources (includes Strategic Initiatives):	https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php

NOTE: To facilitate ranking by the committee, submit separate requests for each item; however, multiple items can be submitted as one request if it is required that the equipment is packaged together.

Replacement ☐   Additional ☐X

Are there alternative funding sources? (for example, Department, Budget, Perkins, Grants, etc.)

Yes ☐   NO ☐ X

If yes, what are they? _____

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

> San Bernardino valley college is the only public community college in the Inland Empire and is slated to be the third in California to teach CNC operator courses for autistic individuals. The CNC machine tools are imperative to be able teach these individuals how to set up and operate advanced machine tools. As the skills gap for machinist has reached exponential special populations are being targeted to fill this need. These students will take a rigorous accelerated 15 week course for 40 hours a week and require as much machine time as possible so they may gain experience.

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 machinist technology program has actively been recruiting special populations and will successfully launch an autism CNC operators' program and machinist apprentice training for the spring 2020 semester. The machinist technology program works to increase the robustness of its curriculum and equipment to support training, more CNC machine tools will be required as sharing machines slow the learning process. Machinist technology has not received its fair share of funding, resulting in inadequate amounts of supplies, tools, and equipment. The CNC machine

tools will help facilitate training and will help retention and enrollment with students' as the
program offers the necessary equipment for their success.

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

Data from other two colleges show a 90% job placement and retention rate for past cohorts that
were trained. This equipment will help ensure that that this special population will have the
adequate amount of equipment to train in the accelerated 15-week program. This equipment will
help train individuals achieve a good job with a livable wage and give them the ability to
discontinue receiving state assistance

4. Indicate any related costs (including any ongoing maintenance or updates) and
    department/program's plans to support those costs.

The requested supplies are an ongoing cost for the Machinist Program as there are a total of seven
CNC's and is not an adequate amount of equipment to properly teach autistic cohorts as well as
the general population. The machinist technology program is continually applying for grants and
has successfully been awarded strong workforce funding however because of the hi cost
associated with the equipment having an adequate amount will take time.

5. What are the consequences of not funding this equipment?

The "hands-on" projects required in each of the certifications will have to be delayed or left out
and will affect the practical learning aspects of the students in the program, as well as, the
students' ability to achieve certifications due to missing skill sets. The less prepared student will
be sent out in the industry