

EQUIPMENT NEEDS ASSESSMENT APPLICATION
Fall 2017

Name of Person Submitting Request:	Joshua Milligan
Program or Service Area:	Welding Technology
Division:	Applied Technology, Transportation and Culinary Arts
Date of Last Program Efficacy:	Spring 2017
What rating was given?	Continuation
Equipment Requested	Welding Machines
Amount Requested:	\$15,000
Strategic Initiatives Addressed: Strategic Directions + Goals	1 and 2

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

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

Yes NO

If yes, what are they? _____ Department Budget and Perkins _____

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

The industry has shifted focus from several of the older welding processes to newer processes. These include: Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Metal Cored Arc Welding (MCAW) and Regulated Metal Deposit Welding (RMD). The program has already submitted for approval eight new Welding Technology courses and four new Welding Technology certificates. These have been proposed for the Fall 2018 Semester by the request of the program's advisory committee. Because of the high demand for welders in this region and the shift to these newer welding technologies, it is vital that the San Bernardino Valley College Welding Program acquire new machines to properly train students for the demands of the industry and accurately prepare them to receive high paying jobs.

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 duplicated enrollment went from 326 for the 15-16 year to 463 for the 16-17 year and the FTES went from 49.52 to 67.31 for the same years. This shows a 34.73% increase for the duplicated enrollment and a 30.45% increase in FTES. Because of these significant improvements, one of the major goals for the program's most recent EMP is increasing funding for new equipment. The program is continuing to sustain an increased growth for the current year and for this to continue successfully and support the needs of the students, additional funding is required.

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

Providing adequate equipment in the practical learning process of the welding students will help improve and maintain the high retention and completion rates (student success). Adequate equipment will also help with students' enrollment once the students see that the program offers the necessary equipment for their success within the local industry. The Welding Program also performs certification testing which requires the proper equipment to perform. It is vital for the program to upgrade the equipment to meet the demands of the required industry certifications

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

There is no anticipated ongoing cost with the purchase of the proposed equipment.

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

The hands-on/lab projects in each of the curriculums will have to be deferred and will affect the practical learning aspects of the students in the program which will, in turn, affect the students' ability to receive high paying jobs.