

EQUIPMENT NEEDS ASSESSMENT APPLICATION
Fall 2016

Name of Person Submitting Request:	Tarif Halabi
Program or Service Area:	Electricity/Electronics
Division:	Applied Technology, Trans. & Culinary Arts
Date of Last Program Efficacy:	Spring 2015 Mini Review
What rating was given?	Continuation
Equipment Requested	Additional Supplemental Test Equipment (Communicators), PLC Modules, SCADA Sytem Lab, Communication Trainers, and Fiberoptic Splicers and Testers
Amount Requested:	\$60000.00
Strategic Initiatives Addressed: (See http://www.valleycollege.edu/about-sbvc/office-of-president/college_planning_documents/documents/strategic-plan-report-working-doc-8-25-15-2.pdf)	3.2,6.1

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? ___Perkins_____

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

We have made significant progress to bringing our programs in-line with current industry standards but continue to need to purchase additional test equipment in addition to the ones purchased in the last two years with Grant monies to complete the task. In addition, in order to continue to improve and update our communications technology and industrial automation programs, we are in desperate need of supplemental modules and support equipment to augment our newly purchased Programmable Logic Controller (PLC) trainers to help teach and simulate the automation and industrial system control environment of a modern industry setting and to be used to control our new mechatronics trainers that we obtained using other grant monies. This equipment will augment our program to provide adequate training to students. This field is rapidly becoming a major area of job growth in the Inland Empire as a result of the explosive growth of logistics and distribution centers (Target, Amazon, Stator Bros, etc.) that now dominate the job market in our area. We have been asked by Target, California Steel Industries, Inc. and Amazon to provide students with PLC training and knowledge so that they can be employed in their companies. And as a result, we are developing a more advanced industrial controls class that would utilize that equipment. Furthermore, with respect to our electronic

communications technology program, we would like to obtain microwave trainers and Fiber-optic splicing and testing systems to update the student training capabilities with the latest digital technologies. This equipment will provide them with up to date standards for the ever-growing communication industry.

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.*)

As the Program Efficacy Report clearly states in its introduction, we offer five associate degrees and six certificates. Among them are the power systems technology, as well as the communication technology programs. Both are in need of the equipment specified above to update the classes and bring them in line with current industry standards. In addition, we want to continue to upgrade our testing equipment which will clearly aid in student skill enhancement and preparedness for the work force. This equipment also aligns with the goals, challenges, and action plan of the EMP document. We strive to increase program effectiveness and enrollment through improved curriculum as well as continued equipment updates that we were able to accomplish with our limited budgets within the last two years. We need to continue with the Equipment update so that we provide current equipment and lab training to our students in order for them to meet the industry standards and find gainful employment.

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 is directly related to them finding gainful employment in their field. Giving the students updated training and skills, via current standard equipment, will also make a big improvement in that respect. As a result, it will increase enrollment and ultimately placement in these high demand fields. In addition, installation and use of this updated equipment has the potential to increase not only student success but also retention, persistence, and overall efficiency. It also better aligns with industry licensure, safety, and compliance standards

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

As an annual trend, the Perkins budget continues to be inefficiently small, especially for the past two years as more programs have received fund allocation from an already shrinking lump sum received by SBVC. As a result, we have to deal with less monies which have already been allocated to buy replacement support equipment and supplies to support our existing laboratories and will not be enough to upgrade to the above stated needs. The general fund is miniscule compared to our needs. With the Help of our Dean, we are actively seeking grant monies in order to secure funding for such needs. Ongoing maintenance costs for part and equipment replacement is around \$11,000 which takes up most of the already allocated budget let alone update costs.

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

If we do not continue to update our lab equipment and purchase this equipment, may result in stagnating programs that are less up to date with industry standards and hence, cause a decline of enrollment as the students realize that SBVC is not up to date with current industry standards and technical job skill requirements. In a much broader view, it will foreclose opportunities for local and regional employment, and contribute to our chronically under-educated, under-prepared

workforce within the Inland Empire.