ISIT/FACILITIES/OTHER EQUIPMENT REQUEST 2018:

Program or Service Unit:

CompTIA COA

Submitter:

Creighton Magers

Extension:

4763

E-mail:

cmagers@bakersfieldcollege.edu

Funding Source or needs funding. Please explain

General fund allocation of resources or Strong Workforce

PLEASE NOTE: If you have multiple requests, please submit multiple forms.

Please share as many details as possible such as room location(s), type of equipment and/or software requested. If you have a cost estimate, that would be helpful, we will contact you for more details.

Please share as many details as possible such as room location(s), type of facilities request, remodel or construction request, safety concern, or furniture request.

You will have an opportunity to present your request to the ISIT/FACILITIES OR CTE committee.

I am requesting the following:

Classroom B5 needs an intermediate distribution frame (IDF) installed. The IDF will give instructors the ability to disconnect from the campus main distribution frame (MDF) when needed in order to not interfere with current services running on the campus network. The cost will vary depending on the type of hardware/devices the district wants to use and any outside vendors needed for cabling infrastructure changes/additions.
Rational:

- Students can setup more advanced networking services/protocols without disrupting the campus network
- Students can conduct/research cyber security attacks without disrupting the campus network
- Students can configure various LAN configurations without disrupting the campus network
- Instructors can setup OS deployment technologies without disrupting the campus network

The computers in the Classroom B5 lab should be updated to support Type C USB connections and Virtualization. The cost will vary depending the vendor discounts, etc.
Rational:

- The computers should allow students to connect Type C USB devices which will allow them to run their Virtual Machines and other hands-on projects more effectively.
- The computer processor and amount of memory (RAM) should be sufficient to run multiple VMs concurrently.

- The classroom computers should all come with a minimum of 500GB SSDs (solid state hard drives).

Many courses need to use and access various types of software and computer hardware. These items can be used for classroom demonstrations and when students are completing hands-on activities related to the curriculum being studied. The cost of such items can vary greatly and therefore quotes are gathered at the time of purchasing.

Rational:

- External USB hard drives are used to store student Virtual Machines are necessary for the students to continue their hands-on lab exercises from class-to-class.
- Some courses utilize specialized software to further demonstrate techniques/technologies used in industry.
- Various computer components/hardware continually need to be updated and replaced when needed. For example, students need computers that they can disassemble and reassemble, networking devices to create and setup classroom networks, and software used to create and manage Virtual Machines.