

TECHNOLOGY NEEDS ASSESSMENT APPLICATION
Fall 2016

Technology: Programs should list the technology needed to provide ongoing service or instruction, and an approximate cost of the request. *Technology that is listed in this category will be forwarded to Campus Technology Services to evaluate through their own processes.*

Name of Person Submitting Request:	Todd Heibel
Program or Service Area:	GIS (via Geography-GIS)
Division:	Science
Date of Last Program Efficacy:	SP 15
What rating was given?	Continuation
Amount Requested:	\$9,000 (six notebook computers @ \$1,500 each)
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)	Student Success, Access, and Facilities

Replacement Growth

- 1. You are required to meet with Rick Hrdlicka – Director of Campus Technology Services prior to submitting a Technology Needs Request. 909-384-8656 or rhrdlicka@sbccd.cc.ca.us. Please provide the date and time of your meeting.**

A meeting with Director Hrdlicka occurred on Tuesday, 25 October 2016 at 9:00 am.

2. Projects that require modification to Buildings or Rooms will require a Facilities Need Request. Will this project require facilities changes?

No facilities changes are required.

3. What technology-based equipment or software are you requesting?

The GIS Department is requesting six notebook computers capable of operating the latest ESRI GIS, *Google Earth Pro*, Microsoft Office, and related geospatial and document/database preparation software applications.

4. 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 latest GIS EMP document supports appropriate lecture and laboratory equipment, including notebook computers, within the Department Goals and Challenges and Opportunities sections. In addition, the SP 15 Geography-GIS Efficacy document suggests the need for additional computer infrastructure on pages 15, 30, and 35.

At present, room availability of the HLS 231 computer lab dictates the on-campus GIS course schedule. The addition of sufficiently robust notebook computers will allow GIS courses to be offered in nearly any available classroom space on campus, as long as there is appropriate wireless and other network connectivity.

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

If on-campus GIS courses could be offered within a wider variety of schedules, then a larger number of students could enroll and complete individual courses, as well as the GIS Certificate. This would qualify a greater number and diversity of students for immediate GIS employment, as well as transfer into four-year universities.

6. Provide a complete itemized list of the initial cost, as well as related costs (including any ongoing maintenance or updates) and identification of any alternative or ongoing funding sources. (*for example, Department, Budget, Perkins, Grants, etc.*)

There are six notebook computers requested:

- Dell or other 15-in notebook computer running Windows 10 with ESRI ArcGIS, Google Earth Pro, Microsoft Office, and Adobe Acrobat software at \$1,500 each, and
- Annual software license updates for MS Office and Adobe Acrobat (there is no annual cost to the department for ESRI ArcGIS and Google Earth Pro software) at \$100 each.

There is an insufficient institutional budget (\$100) and the current Perkins Grant does not allow computer technology purchases.

7. What are the consequences of not funding this request?

The GIS Department currently has five Dell notebook computers, but this is insufficient for an entire class of 20 to 25 students. With the addition to six notebook computers, two GIS students could share one computer (total of 11 computers). This is a more pedagogically sound approach that would free the department from the use of the HLS 231 computer lab. This lab may eventually be supplanted by needed biology labs in future academic years.

If this request is not funded, then the GIS Department and students must continue to rely upon limited availability of the HLS 231 computer laboratory. This limited schedule forecloses opportunities for students who would otherwise be able to enroll in GIS courses at other times and dates. If this computer lab is removed in future academic years, then the future of the GIS Department will be in peril.