

TECHNOLOGY NEEDS ASSESSMENT APPLICATION

Fall 2019

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:	Judy Jorgensen
Program or Service Area:	Architecture
Division:	Science
Date of Last Program Efficacy:	Spring 2019
What rating was given?	Continuation
Amount Requested:	\$7500
Strategic Initiatives Addressed:	Access, Institutional Effectiveness, Student Success
Needs Assessment Resources (includes Strategic Initiatives):	https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php

Replacement ☐

Growth ☒

- You are required to meet with Rick Hrdlicka – Director of Campus Technology Services--by WEDNESDAY, OCTOBER 9 if you are submitting a Technology Needs Request. 909-384-8656 or rhrdlicka@sbccd.cc.ca.us.**

Please provide the date of your meeting.

Emails 10/21/19 between Rick Hrdlicka, Judy Jorgensen, and Amy Avelar

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

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

3D printer

- 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 Architecture, Environmental Design, and Drafting Program serves a variety of students through instructional course offerings. The Architectural Design sequence serves as major's preparation for transfer students to a variety of architectural related fields, including Landscape Architecture, City and Regional Planning, Urban Planning, Architectural Engineering and Construction Management. The Drafting courses support the design courses and serve career and technical education students as well as support major's preparation. **Drawing and designing now involves the production of topographic models, entourage to support larger models and the production of small-scale sample design projects. These are most effectively created with the use of a 3D printer.**

- **Improve Student Success**

Student experience with this equipment, programming and product are essential for the student to be successful in transfer opportunities. The development of small-scale architectural forms, item details, and entourage for large scale models are needed.

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

Starting in 2020 we will be implementing a totally revised program to better articulate with the Cal Polys and must have access and support experience with the technology and design equipment necessary. This will include the 3D printers necessary to accomplish this and provide exceptional facilities for students.

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.*)

Ongoing maintenance and operation will be budgeted through the program at the estimated cost of \$250 per semester.

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

Students will lack the skills, opportunities and access to the experiences and education necessary to succeed.