

ISAS Council

January 28, 2008

Academic Technology Requests Remaining for FY 2008 - 2009

ABSTRACT

This report contains a budget itemization, budget summary, budget narrative and two Project Request forms appealing for funds to replace teaching labs, facilitate server consolidation in support of teaching, and enable wireless access in support of teaching.

Academic Technology Requests Remaining for FY 2008 - 2009

January 28, 2008

	Item	Replacement	Teaching	Requests
Lab Replacement	Count	Costs	Software	
Mac Labs				
<i>Hardware</i>				
Communication	34			
Photography	24			
Total Macs to Order	58			
Apple Quote		\$83,806.60		
<i>Software</i>				
Toast	26		\$1,982.76	
Adobe CS4 Design Standard + Maint.	27		\$7,803.00	
Adobe CS4 Design Premium + Maint.	36		\$12,763.80	
Adobe After Effects CS4	35		\$7,296.95	
iLife '09	36		\$1,404.00	
QuickTime 7 Pro	36		\$1,079.64	
Total Mac Software		\$0.00	\$32,330.15	
<i>Peripherals</i>				
Epson Stylus Pro 9900 large	1	\$11,500.00		
Epson Stylus Pro 7900 medium	1	\$4,000.00		
Imacon X-1 large format scanner	1	\$12,300.00		
Nikon Super Coolscan 9000 film scanner	2	\$4,000.00		
Nikon Super Coolscan 5000... **	1	\$1,100.00		
Desktop Inkjet printers	18	\$8,600.00		
Total Mac Peripherals		\$41,500.00		
Total Mac Labs		\$125,306.60	\$32,330.15	

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	Item Count	Replacement Costs	Teaching Software	Requests
Lab Replacement				
E.H. Butler Loaner Pool				
Laptops (29 on list, partial request only)	10	\$4,772.60		
Total E.H. Butler Loaners		\$4,772.60		
Total Cost to Replace Labs		\$173,997.20		
Remaining Tech Fee		\$101,000.00		
Total Requested to Cover Lab Replacement		\$72,997.20	\$42,198.50	
Academic Requests				
Server Consolidation				
NSS (1-History, 2-Geography) +2-3 more Hardware				\$9,257.50
Total Costs Server Consolidation				\$9,257.50
Wireless Requests				
SAH/Theatre & Communication Savage Floors 1 & 2				
802.11n access points	6			\$7,200.00
network drops for access points, etc.	6			\$1,500.00
Total Estimated Costs for Savage				\$8,700.00
NCATE/Teacher Ed Units				
802.11n access points	6			\$7,200.00
network drops for access points, etc.	6			\$1,500.00
Total Estimated Costs for Butler 210*				\$8,700.00
Total Academic Requests				\$26,657.50

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		Lab	Teaching	
		Replacement	Ongoing Replacement	Academic
		Costs	Software	Requests
Projected Expenses		\$72,997.20	\$42,198.50	\$26,657.50
Teaching -ongoing replacement - Software is already budgeted. This is not a "request". The costs are covered.				
The cost for Butler 210 is conservative.				

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Budget Summary

	Lab Replacement Costs	Teaching Software	Academic Requests
Projected Request for Additional Funds	\$72,997.20	\$0.00	\$26,657.50

Budget Narrative

Lab Replacement

Windows (PC) Labs

Funds requested in the amount of \$43,918 include sixty-nine (69) Dell computers and one peripheral (approximately \$1000) for the CIS department. The latter is an old printer that would cost more to support than purchasing a new one. This quote was received on January 15 and should be good for 45 days from that date.

Mac Labs

A review of the attached detail will reveal that \$83,806.60 is the total quote received from Apple for the requested 58 iMacs. The inventory includes two different configurations. This is an aggressive price from Apple. This quote is good until February 15, 2008.

The remaining requested costs are associated with peripherals for the Fine Arts photography lab. The detailed spreadsheet pads these costs by a few hundred dollars as peripheral costs fluctuate often between approval and order date and shipping costs can vary.

We have been advised that the manufacturer is no longer making the Nikon Coolscan. Therefore, obtaining parts for this product will be difficult should it fail.

Software

Ongoing software costs for labs, and for teaching associated with labs is in a separate column in the budget. This cost is currently provided for and we do not request any additional funds for software.

Academic Requests

Server Consolidation

Currently, three servers belonging to history and geography are about to lose their warranties. Emerging practices in server technology allow us to consolidate environments onto one server while continuing to grant each individual group its own environment just as though each individual has his/her own server. This is called "server consolidation." This is less expensive to maintain, consumes less energy and takes up less space in the Data Center. The risk is that there is a single point of failure. The cost for this is \$9,257.50.

ISAS Council, January 28, 2008

Academic Technology Requests Remaining for FY 2008-2009

Wireless Access

Two requests have been made for wireless access, one in the Donald Savage Building and one in E.H. Butler 210. Please see the attached Project Requests.

The quote for the Savage building is \$8,700 and it is a reasonably accurate quote. It is anticipated that we will use the new 802.11n standard equipment and multiple drops to facilitate the activities requested for this space.

The quote for E.H. Butler 210 is not completely understood. We are only sure that we will want to use 802.11n standard equipment. We are unclear as to how many drops we'll want. This is really a mixed-use space. It is not wholly an academic space and may be used for administrative meeting purposes, or other purposes (e.g. orientation for faculty, students, College Senate meetings, training events, other special events). It is possible that we will want to install multiple drops in this room to facilitate the kind of Web activity that the writers of the attached proposal have requested. In that case, multiple drops will be required. A more thorough assessment of this space and the possible needs will be required to get an accurate dollar amount and to determine whether a combination of funds should be used to represent the broad affiliation of users of this space.

Buffalo State College Project Request

Requestor Information

Your Name: Joseph Zawicki, Ph.D./NSS; Lori Quigley, Ph.D., SOE
Dept and Campus Address: ESSE/SOE, Dean's Office
Email: zawickjl@buffalostate.edu/quiglelv@buffalostate.edu
Phone: 3800

Request Date: January, 2009

Project Description

Project Name: Wireless Access for Butler 210

Request: Wireless access is requested for connectivity to Web, Internet and Buff State Web based resources (e.g. ANGEL, TaskStream, Banner SSB, DN, etc.) for groups and/or individuals who meet or present in this room.

Strategic Alignment: This immediate request is made to appeal for support for Teacher Education Unit Assessment planning toward NCATE accreditation. Groups of 20-40 faculty will be meeting on four occasions throughout the semester to create assessment plans. Faculty will use Web based resources for storing, retrieving and sharing files, and will also use the Internet to search for information. Campus library databases may also be accessed as well as other campus databases.

Support for this endeavor aligns with Buffalo State College's vision to be a "...nationally recognized leader in public higher education known:

- For the intellectual and creative accomplishments of its faculty, staff and students." (Framework Draft, 12/15/08 p.2)

And by supporting our Core Value stating our commitment to "Supportive and collegial relationships" by creating a collaborative space where faculty can think, create, discuss, share and participate together in building a rigorous and quality education for our students. Therefore, Strategic Initiative 1.1/*Action Step 1.1.1 Empower faculty with needed tools and support to identify, implement and maintain the desired level of academic rigor* is also addressed.

Not all faculty are immediately comfortable teaching with technology, however, they may be curious. They may also have some experience with technology. Yet they may wish to become more familiar in a more comfortable environment where technology is valued by peers and where they can gain skill in a less obtrusive manner. This form of engagement with ICT, in turn, may help them value and use technology in their own classes. (Po-An Hsieh, J.J., Rai, Arun, Keil, M., 2008, Selwyn, N. 2004). Therefore, Strategic Initiative 1.2, Action Steps 1.2.1 *Active and collaborative pedagogies will be used throughout the curriculum* and 1.2.2 *Full-time faculty and staff will be involved in professional development activities that develop skills in active and collaborative pedagogy inside and outside the classroom*. This goes hand in hand with the notion of diversity of learning and learner characteristics. Faculty also do and learn in diverse ways, just as our students do and learn in diverse ways. A goal important to the Buff State community under Strategic Initiative 4.1 demands that we all "...demonstrate a visible commitment to diversity of thought, diversity of experience, and diversity of values."

Further, Strategic Initiative 1.5, Action Step 1.5.5 asks us to consider that we "*Effectively employ technology including the student information system, course management system, assessment and portfolio software, as detailed in the ISAS Operational Plan for Technology*". This particular group is requesting technology to support assessment and portfolio requirements, and NCATE accreditation.

Buffalo State College Project Request

Finally, Strategic Initiative 5.2 asks that we "*Strengthen and leverage the use of the Internet and the Web to improve the efficiency of the campus and to communicate progress on benchmarks.*" This project clearly aligns with these goals and strategies.

Impact:	Slightly over 3300 students are enrolled in education programs across campus; approximately 240 full and part-time faculty serve this student population.
Support:	Provost Dennis Ponton, Deans Ron Rochon, Benjamin Christy, Gary Jones, Kevin Railey, Mark Severenson; Associate Deans Karen O'Quin and Lori Quigley
Cost:	To be supplied by CTS.
Urgency:	Describe extent to which realizing the benefits is dependent upon time. List and describe any deadline dates involved.
Funding:	No.

Background

Timeline:	As soon as possible. This room is used for meetings of the College Senate, presentations from outside vendors, and multiple and various meetings and events including orientations for new employees, students and faculty.
Interfaces:	The current "Smart" console. Any other wireless networks in the area.
Dependencies:	Unaware of other projects.
Requirements:	At this time we would be concerned about streaming video should a presenter want to stream a video or download a media file.
Participants:	Dr. Zawicki will facilitate communication and the use of the wireless network during the Teacher Education Unit programs addressed in this request.
Communication:	Drs. Zawicki and Quigley will need to be made aware of when the project is completed, and any limitations that present.
Training and Documentation:	There will need to be at least an instruction card posted in the room to lead individuals through the process of connecting to the network.
Collaboration:	ISAS
Security Issues:	The room is coordinated through Special Events
Obstacles:	Funds and time.
Alternative Solutions:	Other wireless rooms with moveable furniture.
Other:	

References:

Po-An Hsieh, J.J., Rai, Arun, Keil, M., 2008. *Understanding digital inequality: comparing continued use behavioral models of the socio-economically advantaged and disadvantaged.* MIS Quarterly Vol. 32, No.1, pp. 97-126/March 2008

Selwyn, Neil, 2004. *Reconsidering political and popular understanding of the digital divide.* New Media & Society, Vol. 6 (3): 341-362. Sage Publications, London, Thousand Oaks, CA and New Delhi

Buffalo State College
Project Request

Requestor Information

Your Name: Drew Kahn, Chair, Theatre Department
Dept and Campus Address: 221 Donald Savage Bldng
Email: kahnaj@buffalostate.edu
Phone: 6416

Request Date: January, 2009

Project Description

Project Name: Wireless Access for Second Floor Savage and 121 Savage

Request: Wireless access is requested for connectivity to Web, Internet and Buff State Web resources (e.g. ANGEL, Banner, DN, Library Databases, etc.) for groups or individuals who meet or present in this room.

Strategic Alignment: This immediate request is made to cover a zone of Theatre department space for student to faculty, student to student and faculty to faculty interaction. The request includes Savage 121 on the first floor, the student computer lab on the second floor, Savage 209, the Flexible Theater, Savage 205 and the Design Studio, Savage 219. Wireless access to resources immediately grants creative students and faculty the freedom and flexibility they require to move and interact between these areas with frequency while remaining connected to each other and to course work whether in classroom, design, studio or rehearsal in both academic and artistic experiences. This wireless zone will immediately impact student and faculty communication, collaboration and curricular outcomes. It will also boost recruitment, donor relations and cross fertilization with TFA.

Support for this endeavor aligns with Buffalo State College's Strategic Initiative 1.1/ *Action Step 1.1.1 Empower faculty with needed tools and support to identify, implement and maintain the desired level of academic rigor.* And *Action Step 1.1.2 Empower students with needed tools and support to perform at the level of academic rigor established by the faculty.* This latter Action Step is important as we learn from digital divide literature. Individuals need access and opportunity to use and engage with Information and Communication Technology (ICT) to become digitally literate. (van Dijk, J., 2002 and 2006, Po-An Hsieh, J.J., Rai, Arun, Keil, M., 2008, Selwyn, N. 2004, Kerr M.S., Rynearson, K. and Kerr M.C., 2006).

Strategic Initiative 1.2, *Action Step 1.2.1 Active and collaborative pedagogies will be used throughout the curriculum* addresses the notion of diversity of learning and learner characteristics. By expanding access to Web based tools faculty can engage students with Wikis, discussion forums, Podcasts, Video and a range of Web 2.0 tools for teaching on the go in any relaxed environment. Teaching and learning do not have to be stressful and students can engage material in diverse ways. Students can also use ANGEL, Banner, and library databases over the wireless helping them to stay connected to our community and build a positive image of Buffalo State College. A goal important to the Buff State community under Strategic Initiative 4.1 demands that we all "...demonstrate a visible commitment to diversity of thought, diversity of experience, and diversity of values."

The Theatre and Communication departments clearly seek to exceed Strategic Initiative 1.3: Student-Faculty-Staff Interactions by embracing Action Step 1.3.3 and Action Step 1.3.4. in using wireless technology to keep their students both connected to faculty, staff and students and current. Anecdotal examples of theatre faculty using technology to stay connected to their students abound.

Buffalo State College Project Request

Further, Strategic Initiative 1.4, Asks us to provide enriching teaching experiences by infusing diversity, global issues and different perspectives (Action Step 1.4.1), strengthening student, faculty, staff and alumni involvement (1.3.2) and by using technology where appropriate to improve student outcomes (1.4.4). In each instance, technology can assist by bringing students closer to global content, allowing Buff State to showcase a current and technologically up to date Theatre department with wireless access for students and their parents as they peruse our facilities at orientation or Homecoming, and by connecting students with their faculty and each other throughout any given day.

Strategic Initiative 1.5 asks us to provide a supportive campus environment. Action Step 1.5.3 Increase cross cultural interaction among students from divers cultures and racial/ethnic backgrounds, Action Step 1.5.6 Increase student access to support services and being responsive to student needs are all part of providing an environment of Information and Communication Technology access.

Support: Dean Christy, Associate Dean Sanger

Cost: Approximately \$8700.00

Background

Timeline: As soon as possible. The semester begins in January and we'll be happy to have it any time during the semester.

Interfaces: There is a student lab, not sure of interference possibilities (Cordless phones, microwaves).

Requirements:

Participants: Drew Kahn, Chair, Theatre, CTS Networking and ACTS staff, Jeff Hirschberg, Communication

Communication: Must coordinate with Theater, Communication and CTS

Training and Documentation:

CTS Training Team will work with Theatre and Communication if needed

Collaboration: ISAS

Security Issues: Not sure

Obstacles: Not sure

Alternative Solutions:

Other:

References:

Kerr, M.S., Rynearson K., Kerr M.C., Student characteristics for online learning success (2006). *Internet and Higher Education* 9, 91-105 Elsevier

Po-An Hsieh, J.J., Rai, Arun, Keil, M., 2008. *Understanding digital inequality: comparing continued use behavioral models of the socio-economically advantaged and disadvantaged*. *MIS Quarterly* Vol. 32, No.1, pp. 97-126/March 2008

Selwyn, Neil, 2004. *Reconsidering political and popular understanding of the digital divide*. *New Media & Society*, Vol. 6 (3): 341-362. Sage Publications, London, Thousand Oaks, CA and New Delhi

van Dijk, Jan (2002). A framework for digital divide research. *Communication Institute for Online Scholarship, Inc.* 12,

Van Dijk, Jan, Digital divide research, achievements and shortcomings. (2006) *Poetics* 34, 221–235, Science Direct

Buffalo State College
Project Request
