

GEORGIA STATE UNIVERSITY

FY 2008 Technology Fee Proposal

Submitting Organization:

Major Unit: College of Arts and Sciences

Department: School of Art & Design

Contact Person: Phillip A. Webb, Nancy Floyd, Joan Tysinger

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1. Project Short Title

Creative Media Center/AH460 Software Upgrades: Power PC Macintosh to Intel Macintosh Platform

2. Total Requested

Fiscal Year 2007

\$106,884.00

3. Executive Summary

This funding requested is for software and file storage equipment needed to enable the CMC to better serve the school's evolving academic programs and to aid students as they adopt and/or adapt multimedia, video and sound art methodologies. Specifically the request includes: software upgrades to enhance function and speed of the CMC's Intel processor-based Macintoshes; additional shared hard drive space for local user home directory hosting; and software support for the ongoing inclusion of video and sound media into Art & Design's curriculum.

4. Project Description

This proposal requests funding to complete the in-progress upgrade of Art & Design's Macintosh computer lab/classroom, the Creative Media Center, and to add software in support of recently designed classes, some offered currently and some to be implemented within the next year. This proposal builds upon our FY07 award #2.1.11. Specifically we request:

- “Universal Binaries” software versions to increase Intel Macintosh workstation functional stability and insure our computers are compatible with others campus wide.
- X-Raid local file storage equipment to expand the CMC’s Macintosh X-Serve Server.
- Software needed to support the ongoing inclusion of video and sound media into our curriculum.

The CMC’s Intel Macintosh computers currently run Macintosh Power PC platform software with the aid of Macintosh OSX v.10.4.8’s ‘Rosetta’ emulation mode. Software upgrades to the Universal Binaries platform will allow students to realize significantly greater processing speeds needed in digital video, photographic, sound, and graphic project manipulation and rendering.

Adding an X-Raid local file storage system will provide additional needed file storage space for student’s user home folders and will match the CMC’s recently purchased Macintosh X-Serve Server. The LDAPv3 networking structure is currently in place for student’s user home folders as an effort to apply best – practice methods for computer and network security.

The requested software array will add tools students need to produce multimedia work. Providing these essential audio components will support new classes planned as well as expand the quality sound production software available to already existing classes such as animation, video, and performance art. These tools will be available to any student adding sound to their work.

The hardware and software requested will enable the CMC to continue providing students access to cutting edge technology, enabling them to more fully experience and apply innovative digital and multimedia art methods and practices.

5. Record the review numbers assigned by IS&T and Facilities. Their assessments must be included in Sections 16 and 17.

IS&T: IST08-028
Facilities: #14517-07

6. Relevance to Regents Guidelines

[1] Technology fee revenues should be used primarily for the direct benefit of students to assist them in meeting the educational objectives of their academic programs.

The CMC supports a curriculum increasingly dependant upon media-specific digital applications and provides classroom/instructional space where professors can offer hands-on area/media-specific instruction. It also functions as a space where students can work independently. The resources requested will enhance CMC's function giving students better access to the video processing power and graphic acceleration they need to do their work; assure that the CMC is in compliance with industry standards; and will allow Art and Design students the tools the need to explore and work in contemporary media.

[2] Technology fee revenues should be used to assure that there are sufficient campus licenses for primary productivity tools such as those found in the Microsoft Office product suites and for discipline specific software.

The proposal designates software to accommodate a variety of disciplines. Much of the software is purchased by site license and all license fees are included.

[3] Technology fee revenues should be used for hardware and Network related expenditures that include support of general purpose or special purpose laboratories used by students for body productivity and more discipline related activities.

The hardware and software configuration requested will enhance productivity within the existing lab, the Creative Media Center. The proposal updates high-end video and audio production tools which will enable the CMC to function as both training space and independent work studio for undergraduate and graduate students.

[4] Technology fee revenues may be used for training of students and, to a lesser extent, staff and faculty.

The hardware and software requested is for use by students or by instructors within the classroom or for class assignments.

7. Relevance to Strategic Plan(s)

The CMC is Art & Design's high-end multimedia teaching and production lab. A number of disciplines in the School of Art and Design are completely dependant upon its multimedia capabilities. The School of Art and Design is committed to keeping the CMC current and functioning at an advanced level.

5.2 A University Goal: Technology-enabled Faculty, Staff and Students

This lab supports a variety of curricula dependant upon media specific digital applications and provides space where professors can provide hands-on area/media specific instruction. The lab also functions as space where students can work independently. Digital applications tend to transcend traditional discipline boundaries, and the requested digital production tools are used by a number of disciplines.

Updating software will give the all students from the 9 disciplines offered by the school access to the video processing power and graphic acceleration they need to do their work. It will bring the CMC to compliance with industry standards and in alignment with similar multimedia labs on campus.

Adding X-Raid local file storage equipment will expand the CMC's Macintosh X-Serve Server and complement and strengthen the facilities usefulness. This will allow our students to take full advantage of the video processing power and graphic acceleration, bringing the file storage and local home directory hosting for Art and Design up to the same level as the GSU Department of Communication's DAEL Lab, and the Digital Aquarium.

5.2.4 Provide Effective Information Technology Services for Students.

The CMC is designed specifically to meet the needs of student as a classroom and as a place of

independent study.

5.3 A University Goal: Technology-enhanced Education

The upgrades requested for the CMC are part of Art and Design's commitment to integrate discipline-specific technology across curricular fields.

Our goal is to provide and keep current technologically equipped studio/classroom facilities and assure that curriculum appropriate instructional technologies are available to students.

5.3.1 Establish Appropriate Levels of Technology in Classrooms:

The CMC is used as a classroom and equipment checked out is for class-related activities. The requested upgrades and software additions will assure that CMC hardware and software current and that Art and Design students have access to the most contemporary multimedia, video and sound softwares they need to excel as artists in an art world increasingly driven by technology.

8. Impact on Students Served

The items requested will serve specialized groups within Art and Design and the general University body. All students enrolled in Art & Design classes have access to the CMC and will benefit by the enhanced function and additional multimedia capability this upgrade will provide. The requested tools will be used very heavily in PHOTO 4430 Digital Video for Artists; PHOTO 4410 Performance Art and Installation; GRD 4400 Design for Film and Television; GRD 4310 Introduction to Multimedia Design; GRD 4600 Senior Workshop (advanced Multimedia Design); and AH 4700 Contemporary Art Theory and Criticism. Specifically the sound and video hardware and software requested in this proposal will outfit the CMC to better support our curriculum and expose our students to the full range of traditional and nontraditional media applications they require to excel in the dynamic contemporary art world.

9. Justification of Funding Requirements for Fiscal Year 2008

Provide a specific description of the funding requirements for FY 2008 in the Microsoft Excel spreadsheet below. You must use the same terminology as in the Project Description (page 2, #4) to allow each itemized line to be traced back to the items and functionality appearing in the Project Description. Failure to do so will negatively affect consideration of your proposal. Itemize and total the following categories of expense. If necessary, add lines to the table below corresponding to accounting objects of expense.

Please note that any equipment items less than \$4,999 should be categorized as "supplies."

Object of Expense	Itemized Descriptions	Quantity	Per unit price	Extended Total
Supplies (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4			
	Item 5			
	Item 6			
	Item 7			
Equipment	Item 1			\$0.00
	Item 2, etc			
Software (Note: Include Vendor and Product Name.)	Item 1			\$0.00
	Item 2			
	Item 3, etc			
Maintenance or Contractual Services	Item 1			\$0.00
	Item 2, etc			
Board of Regents Guidelines state "In almost no cases should technology fee revenues be used for ... space renovation, or other items or activities that do not have a direct and immediate impact upon students instructional objectives." (See Attachment 1, #8)				
Construction Services (Requires review of Planning & Facilities)	Item 1			\$0.00
	Item 2			
	Item 3, etc			
Network Connections and Infrastructure Costs (Requires review of UCCS)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
Physical Security (Note: Costs normally should not exceed 2.5% of Total Requested.)	Item 1			\$0.00
	Item 2			
	Item 3			
	Item 4, etc			
Other Expenses (explain)	Item 1			\$0.00
	Item 2, etc			
Board of Regents Guidelines state "Technology fee revenues may be used - with caution - for new staffing that is either temporary or ongoing." (See Attachment 1, #6)				
Staff Salaries	Item 1			\$0.00
	Item 2, etc			
Fringe Benefits	Item 1			\$0.00
	Item 2, etc			
		Hours/wk	Hourly Rate	
Student Assistant Salaries	Item 1			\$0.00
	Item 2, etc			
Graduate Student Assistant Salaries	Item 1			\$0.00
	Item 2, etc			
TOTAL				\$0.00

10. Consequences of Partial Funding

State what the consequences would be on the effectiveness and viability of the proposal if it were only funded in FY 2008 at the following percentages of the requested total:

Only 75% funded:

The project remains viable at 75% however it would eliminate funding for a large part of the proposed sound creation and editing software and associated peripheral cards, as well as reduce the scale of the X-Serve file storage device to 5250 Gigabytes.

Object of Expense	Itemized Descriptions		Quantity	Per unit price	Extended Total
Supplies (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Item 1				\$0.00
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	Item 2, etc				
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Student Assistant Salaries	Item 1				\$0.00
	Item 2, etc				
Graduate Student Assistant Salaries	Item 1				\$0.00
	Item 2, etc				
TOTAL					\$0.00

Only 50% funded:

The project remains viable at 50% however it would eliminate funding for all of the proposed sound creation and editing software and associated M-Audio peripheral cards, as well as reduce the scale of the X-Serve file storage device even further to its smallest size, yet expandable, 1000 gigabyte.

Object of Expense	Itemized Descriptions		Quantity	Per unit price	Extended Total
Supplies (Note: PCs under \$5,000 go here. Also, use standard dollar amounts and replacement thresholds from sections 11/12, or provide explanation in sections 11/12.)	Item 1				\$0.00
	Item 2				
	Item 3				
	Item 4				
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	Item 6				
	Item 7				
Equipment	Item 1				\$0.00
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Software (Note: Include Vendor and Product Name.)	Item 1				\$0.00
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Student Assistant Salaries	Item 1				\$0.00
	Item 2, etc				
Graduate Student Assistant Salaries	Item 1				\$0.00
	Item 2, etc				
TOTAL					\$0.00

11. Standard Dollar Amounts

NA

12. Standard Replacement Thresholds

NA

13. Prerequisite, Non-Technology Fee Funding

NA

14. Matching Funds

NA

15. Staffing and Other Support Availability

NA

16. Space Availability and Impact on Facilities

This project does not impact facilities.

17. Impact on Computing/Networking/Information Security Infrastructure

Information Security Review (Tammy Clark):

Impact: Yes

Assessment: Ensure that AV software is installed on all computers—contact security@gsu.edu for instructions.

Wireless and Network Ports Review (Mark Roberson):

Impact: No- MR

Assessment:

Server Connections (Charles Hollingsworth, Tammy Clark, Keith Campbell):

Impact: (No-CWH), No impact - KEC

Assessment:

External Connections (Charles Hollingsworth):

Impact: (No-CWH)

Assessment:

DVR Installations (Mark Roberson, Tammy Clark, Charles Hollingsworth):

Impact: (No-CWH)

Assessment:

Lab and Classroom Configurations (Joe Amador):

Impact: Yes/No No

Assessment: IS&T have negotiated bulk pricing packages for Mac workstations which should be used for this project if funded.

18. Physical Security Needs

NA

19. Post-Project Assessment Criteria

The hardware and software requested will be used by students in the CMC classroom/lab and will be accessed in a straightforward manner by measuring/recording student enrollment in classes scheduled in the lab. Use during open sessions will be measured by student check-in/out data.

20. Review and Acknowledgements

To: University Student Technology Fee Committee
From: Cheryl Goldsleger, Director, School of Art and Design
Re: Tech Fee proposal for CMC
Date: March 1, 2007

This proposal ranks second among six proposals submitted by the School of Art and Design. This year, as we did last year, the School is making application for this funding through the tech fee process. The proposal supports the Creative Media Center in the School of Art and Design. This lab is crucial to our programs and our students' education as it is the hub of digital learning and the main resource of many courses we offer. Last year this lab applied for and received support for new Macintoshes that run on the new Intel processor. With this change, new and upgraded software is necessary to make maximum use of these new machines. Please give serious consideration to this proposal in order ensure that the School of Art and Design will continue to have a state of the art media lab. I urge you to approve this funding.