

Student Technology Fee

Grant Proposal

2011.017

2010-11

Tracy Brown (TB)

Comment: none - NO projector in budget

Alan Henry

Comment: \_\_\_\_\_

Gary Gatch

Comment: \_\_\_\_\_

Mike McDonald

Comment: \_\_\_\_\_

Dale Martin

Comment: \_\_\_\_\_

Student Technology Fee  
Grant Proposal Request Form  
Fiscal Year 2010-11  
Northwestern State University of Louisiana

2011.017

FF

G.#1

5-27575

**ALL BLANKS MUST BE FILLED COMPLETELY**

Prepared by: Dr. Margaret E. Cochran For: Louisiana Scholars' College

Department/Unit: Louisiana Scholars' College College: ALGSR Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? Goals 1,2,4/Objectives 1,2,3

Requested equipment will be located/installed/housed? Building Kyser Room 139

Does the department requesting funding receive lab fees? (circle one) YES

Are department property policies and procedures in place for requested equipment? yes

Which individual will be responsible for property control of the requested equipment?

Signature: Margaret E. Cochran Date: 10/29/2010

Proposal Requested Amount: \$ 7,926.94 Budget Attached (circle one): YES

Proposal delivered to Student Technology located in Watson Library, Room 113. Date \_\_\_\_\_

**1. Describe target audience.**

The requested equipment and software will be used for students enrolled in SECL 1911 and 1921, Honors Ecology Lab. This is a core science course in the Scholars' College and will also be used as a core option in the upcoming honors program. Most students enrolled in this course are not science majors. In addition, students engaged in Undergraduate Research projects will be able to use this equipment and software to design posters for conference and Research Day presentations.

**2. Describe project/initiative for which you are requesting funds.**

This project will supplement the 7 computers in 139 Kyser, adding 3 workstations; add design software for all 10 machines; and replace two analog televisions with a ceiling-mounted projector.

**3. State measurable objectives that will be used to determine the impact/effectiveness of the project.**

- A. Students will design poster size seasonal interpretive materials for the Gresham Bird Trail and the Environmental Education Pavilion as class exercises.
- B. The results of major lab experiments will be presented in poster format, designed in this lab.
- C. The results of research projects in SBIO 1851 will be presented in poster format, designed in this lab.

**4. Indicate how each project objective will be evaluated.**

- A. Interpretive materials will be evaluated by partner K-12 teachers using the Environmental Education Pavilion.
- B. and C. Posters will be presented at Research Day and evaluated by a faculty panel (as part of a Board of Regents Support Fund grant).

**5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance. How will funding of the project advance the University and College/unit technology plan?**

This project addresses three NSTEP objectives:

**NSTEP #1.** By increasing the number of workstations in the lab, fewer students will have to share each machine. We currently must work in groups of 3-4; the additional stations will allow my students to work in groups of 2-3.

**NSTEP #2.** The projector will allow us to use computer presentations (Powerpoint, internet sources, library searches, software instruction) in lab and to project images from digital cameras and aerial photographs.

**NSTEP #3.** The design software will allow my students to practice professional communication of their results by creating research posters and service-learning outreach materials.

This proposal also directly addresses two objectives in the LSC Technology Plan:

**LSC #8** "The College will provide presentation equipment for information of all types (ranging from microscopic life to computer simulations to art shows) to classes of any size."

**LSC #10** "The College will acquire or obtain access to fundamental equipment, software, and other media that are needed for conducting meaningful and temporally relevant experiments in science laboratories...and encourage faculty to incorporate such resources into their classes."

**6. Provide a justification for funding of this project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.**

This project **addresses two weaknesses** in the existing technology for the Ecology lab: We have a limited number of workstations (and no instructor station) and we can only project videotapes on the analog tvs. This project also **seeks to enhance** the Ecology course (as well as Biology 2 and the senior thesis projects) by giving students access to software to design professional research communications and edit digital photographs used as figures in written documents.

SECL 1911 and SECL 1921 are offered fall and spring, respectively, and each serve 15-20 students. SBIO 1851 serves roughly 25 students in the spring semester. In addition, there are typically 20-25 students in the Scholars' College involved in undergraduate research projects each semester. Access to the design software will also enhance the production of poster presentations for conferences, making it more likely that students will choose to present their work.

**7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project.**

Dr. Cochran will be responsible for the implementation of the project. She is Facilitator of Undergraduate Research for NSU and responsible for the 2012 Research Day, which will include

a poster session for student research. She has designed poster presentations of student research projects, including works presented at the Fall 2009 Regional Grants Workshop. She is also in charge of the service-learning project for development of the Gresham Bird trail and the Environmental Education Pavilion.

**8. Describe any personnel (technical or otherwise) required to support the project/initiative.**

We will need assistance to install and network the projector and load the software. Also, we will need 4 additional network drops in 139 Kyser.

**9. Provide a schedule for implementation and evaluation.**

**Summer 2011:** Acquisition and installation of equipment and software.

**Fall 2011:** Equipment and software will be used in SECL 1911. Students will design research poster of large-scale duckweed experiment for presentation at 2012 Research Day. Students will design seasonal interpretive posters and brochures for the Bird Trail.

**Spring 2012:** Equipment and software will be used in SECL 1921. Students will design seasonal interpretive posters and brochures for the Bird Trail. Students in SBIO 1851 will design poster presentation of their independent lab projects. Scholars' College thesis students will design poster presentations for the 2012 Research Day. The first groups of posters will be assessed at Research Day and at the EEP.

**Summer 2012:** Posters presented at Research Day will be displayed in various campus buildings as part of the ongoing promotion of undergraduate research.

**10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.**

The expected lifespan of the requested items is 5 years.

**11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee. If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy.**

The requested equipment will be located in a locked laboratory and will only be available in the presence of a faculty member. The only people with access to the room are Dr. Cochran, Dr. Curt Phifer, the Director of the Scholars' College and the Building Manager for Kyser Hall. The room is not even cleaned by the janitorial services. The projector will be ceiling mounted.

**12. Does the department that is requesting equipment receive lab fees? If so, please provide a justification for requesting funds from tech fee funds over using lab fees from your department.**

Scholars' College collects lab fees for expendable supplies in science courses, such as glassware, reagents, paper and toner and to pay for repairing equipment, such as microscopes. We do not collect fees sufficient to buy software, hardware, or peripherals. Our students pay the technology fee in addition to their lab fees and should benefit from it.

**13. Attach a detailed budget.**

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Student Technology Fee Grant Proposal Checklist:


- X Is all information requested provided (items 1 – 13)?
- X Is a detailed budget attached?
- X Is all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?
- X Are your two (2) letters of support attached?
- NA If equipment is to be checked-out/loaned, is your policy attached?

**Budget**

item	quantity	unit price	total	
<b>Dell OptiPlex 980 Small Form Factor</b>	3	\$1,552.89	\$4,658.67	7340
Catalog # 25 E1911				
Operating System(s): Genuine Windows Vista® Home Basic Service Pack 2, No media, 32, English				
Processors: Intel® Core™ i5 Dual Core Processor 650 with VT (3.20GHz, 4M)				
Memory: 4GB DDR3 Non-ECC SDRAM,1333MHz, (2DIMM)				
Keyboard Dell QuietKey Keyboard				
Monitors: Dell Professional P2210 22in HAS Wide Monitor, VGA/ DVI/ DP				
Video Cards: 512MB ATI Radeon HD 4550 (1 DP & 1 DVI), Low Profile				
Boot Hard Drives: 250GB 7,200 RPM 2.5" SATA, 3.0Gb/s Hard Drive with NCQ and 16MB Cache				
1394 FireWire Adapter 1394 FW Controller Card, Low Profile				
Mouse Dell MS111 USB Optical Mouse				
<b>DisplayPort Cable</b>	3	\$ 15.39	\$ 46.17	7342
for Professional Flat Panel Monitors & Dell 4310WX/ 7609WU Projector - 6.56 ft Manufacturer Part# X414GDell Part# 330-1758				
<b>Adobe Creative Suite 5 Design Standard</b>	10	\$318.21	\$3,202.10	4720
License - 1 user - EDU - TLP - level 2 ( 2500+ ) - Win - 450 points - Universal Adobe - Part#: 65057892AE02A00				
<b>Adobe Creative Suite 5 Design Standard</b>	1	\$ 20.00	\$ 20.00	4720
Media - EDU, NACT - TLP - DVD - Win - Universal English Adobe - Part#: 65057691AE00A00				
<b>Total</b>			<hr/> \$ 7,926.94	

Windows® . Life without Walls™ . Dell recommends Windows 7.

## View/Print Cart

 Print Page

### Northwestern State University

#### Description

	DisplayPort Cable for Professional Flat Panel Monitors & Dell 4310WX/ 7609WU Projector - 6.56 ft	Qty	3
		Unit Price	\$15.39
Manufacturer Part# X414G Dell Part# 330-1758			
		<b>TOTAL: \$46.17</b>	



#### Dell OptiPlex 980 Small Form Factor - New!

Date & Time: October 28, 2010 11:58 AM CST

#### SYSTEM COMPONENTS

Dell OptiPlex 980 Small Form Factor - New!	Qty	3
OptiPlex 980 Small Form Factor for Up to 90 Percent Efficient Power Supply, Genuine Windows Vista® Home Basic Service Pack 2, No media, 32, English	Unit Price	\$1,552.89
Catalog Number:	25 E1911	

Module	Description	Show Details
OptiPlex 980 SFF	OptiPlex 980 Small Form Factor for Up to 90 Percent Efficient Power Supply	
Operating System(s)	Genuine Windows Vista® Home Basic Service Pack 2, No media, 32, English	
Processors	Intel® Core™ i5 Dual Core Processor 650 with VT (3.20GHz, 4M)	
Memory	4GB DDR3 Non-ECC SDRAM, 1333MHz, (2 DIMM)	
Keyboard	Dell QuietKey Keyboard	
Monitors	Dell Professional P2210 22in HAS Wide Monitor, VGA/ DVI/ DP	
Video Cards	512MB ATI Radeon HD 4550 (1 DP & 1 DVI), Low Profile	
Boot Hard Drives	250GB 7,200 RPM 2.5" SATA, 3.0Gb/s Hard Drive with NCQ and 16MB Cache	
1394 FireWire Adapter	1394 FW Controller Card, Low Profile	

<b>Mouse</b>	Dell MS111 USB Optical Mouse
<b>Systems Management Mode</b>	Intel Core i7/i5 vPro Technology Enabled
<b>Removable Media Storage Device</b>	8X Slimline DVD+/-RW Roxio Creator™ CyberlinkPowerDVD™
<b>Eco Kit</b>	No Eco Kit
<b>Speakers</b>	No Speaker, OptiPlex
<b>Power Supplies</b>	Up to 90 Percent Efficient Power Supply
<b>Documentation</b>	Opti 980 Documentation English
<b>Hard Drive Mode</b>	No RAID
<b>Energy Efficiency Options</b>	Energy Star 5.0 Category B (<44.3W Idle), EPEAT Gold, Dell ESMART Settings
<b>OptiPlex ON™ - Enhanced Communications Module</b>	Dell OptiPlex ON® Reader
<b>Resource DVD</b>	Resource DVD - contains Diagnostics and Drivers
<b>Hardware Support Services</b>	5 Year Basic Limited Warranty and 5 Year NBD Onsite Service
<b>Security Hardware</b>	Chassis Intrusion Switch Option
<b>Setup and Features Information Tech Sheet</b>	No Tech Sheet
<b>Ship Packaging Options</b>	Shipping Material for System, Small Form Factor
<b>Thermal Solutions</b>	Mainstream CPU
<b>Mouse Pad</b>	Mouse Pad
<b>Asset Tracking/Security (CFI)</b>	Absolute Computrace Complete 4 Year - Education
<b>Processor Branding</b>	Intel I5 Dou Desktop vPro Sticker

**TOTAL: \$4,658.67**

	<b>Total Price</b>
<b>Sub-total</b>	\$4,704.84
<b>Shipping &amp; Handling</b>	\$0.00
<b>Tax</b>	-
<b>Total Price<sup>1</sup></b>	--

\*Tax calculation is currently unavailable. You will be contacted post-sale with your final total order amount, including applicable taxes.



**Subject:** SHI Quote 4084200, Adobe  
**Date:** Thursday, October 28, 2010 11:24:51 AM CT  
**From:** jay\_buonviri@shi.com  
**To:** Alfred Ehlers

Thanks for choosing SHI!



Pricing Proposal  
 Quotation #: 4084200  
 Created On: Oct-28-2010  
 Valid Until: Nov-27-2010

**NORTHWESTERN STATE UNIVERSITY**

**Account Representative**

**Alfred Ehlers**  
 Phone: (318) 357-6482  
 Fax:  
 Email: ehlersa@nsula.edu

**Jay Buonviri**  
 33 Knightsbridge Road  
 Piscataway 08854 NJ  
 Phone: 800-715-3197  
 Fax: 732-868-6055  
 Email: jay\_buonviri@shi.com

All Prices are in US Dollar (USD)

Product	Qty	Your Price	Total
1 Adobe Creative Suite 5 Design Standard - License - 1 user - EDU - TLP - level 2 ( 2500+ ) - Win - 450 points - Universal Adobe - Part#: 65057892AE02A00 Note: A minimum of quantity 6 licenses must be purchased to obtain this pricing level.	7	\$318.21	\$2,227.47
2 Adobe Creative Suite 5 Design Standard - Media - EDU, NACT - TLP - DVD - Win - Universal English Adobe - Part#: 65057691AE00A00	1	\$20.00	\$20.00
		Shipping	\$0.00
		Total	\$2,247.47

**Additional Comments**

SHI certifies quoted prices do not exceed manufacturer's published list price.

To process your order or request a quote, please e-mail southeastteam@shi.com. You can also fax it to 732-868-6055. Please include a contact e-mail address on all orders, as this is required by most vendors.

\*Are you interested in increasing employee productivity, conserving network bandwidth and protecting against today's complex web-based security threats, such as malicious code and keyloggers? If so, please call us to discuss how the Websense web and email filtering product offerings can help. Or, download a free trial version today at [www.websense.com/shi](http://www.websense.com/shi).

SHI Fed ID# 22-3009648  
 SHI is a Certified Minority (Asian-Pacific) Large Account Reseller, specializing in the sale and distribution of government priced software and hardware...including, but not limited to- Microsoft, Symantec, Adobe, Trend Micro, Nuance, McAfee, LANDesk, Intel, Cisco, HP, IBM and more.

The Products offered under this proposal are subject to the SHI Return Policy posted at [www.shi.com/returnpolicy](http://www.shi.com/returnpolicy), unless there is an existing agreement between SHI and the Customer.

**Betsy Cochran**

**From:** Alfred Ehlers  
**Sent:** Thursday, October 28, 2010 12:07 PM  
**To:** Betsy Cochran  
**Subject:** FW: SHI Quote 4084223, Adobe

**From:** Jay Buonviri <jay\_buonviri@shi.com>  
**Date:** Thu, 28 Oct 2010 11:25:07 -0500  
**To:** Student Technology <ehlersa@nsula.edu>  
**Subject:** SHI Quote 4084223, Adobe

Thanks for choosing SHI!



Pricing Proposal  
Quotation #: 4084223  
Created On: Oct-28-2010  
Valid Until: Nov-27-2010

**NORTHWESTERN STATE UNIVERSITY**

**Account Representative**

**Alfred Ehlers**  
Phone: (318) 357-6482  
Fax:  
Email: [ehlersa@nsula.edu](mailto:ehlersa@nsula.edu)

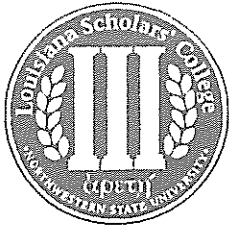
**Jay Buonviri**  
33 Knightsbridge Road  
Piscataway 08854 NJ  
Phone: 800-715-3197  
Fax: 732-868-6055  
Email: [jay\\_buonviri@shi.com](mailto:jay_buonviri@shi.com)

All Prices are in US Dollar (USD)

Product	Qty	Your Price	Total
1 Adobe Creative Suite 5 Design Standard - License - 1 user - EDU - TLP - level 2 ( 2500+ ) - Win - 450 points - Universal Adobe - Part#: 65057892AE02A00 <b>Note:</b> A minimum of quantity 6 licenses must be purchased to obtain this pricing level.	10	\$318.21	\$3,182.10
2 Adobe Creative Suite 5 Design Standard - Media - EDU, NACT - TLP - DVD - Win - Universal English Adobe - Part#: 65057691AE00A00	1	\$20.00	\$20.00
		Shipping	\$0.00
		Total	\$3,202.10

**Additional Comments**

SHI certifies quoted prices do not exceed manufacturer's published list price.



Louisiana Scholars' College  
at Northwestern State University  
Natchitoches, Louisiana 71497  
Phone 318-357-4577 / Fax 318-357-5908

A Member of the University of Louisiana System

October 29, 2010

Student Technology Grant Committee  
Northwestern State University  
Natchitoches, LA 71457

To Whom It May Concern:

I write this letter in support of the Dr. Betsy Cochran's grant application for additional workstations, a digital work projector and design software for the science lab in 139 Keyser.

Currently the lab has limited capabilities. There is no meaningful avenue by which the professor can project images and sound from sources like DVD's, computers, electronic images and or internet based materials. This is a severe limitation of pedagogy as more and more the sciences are relying on, to great effect, the use of technologies to present materials to the students. Indeed, labs that have such abilities have become fairly standard. As such, the materials requested in this grant will help to bring the lab into a more modern functionality.

While pedagogical abilities will be increased by the addition of these materials, the students will also benefit. The additional workstations will give more students the opportunity to work in small groups on projects. The professor will also be able to interact and guide the students through activities in the lab instead of monitoring the students only. The workstations simply add more ways in which the students can engage the materials and this is critically important in a lab based learning environment.

Finally, and perhaps most important are the materials related to research poster creation and printing. It is industry standard across most disciplines that posters are utilized to display research at conferences. With undergraduate research becoming ever more important and a facet of undergraduate education that many accrediting bodies are now looking for, the software that students and faculty can use to create research posters is critical to helping NSU advance in undergraduate education.

This is a much needed and well executed grant proposal. The benefits to science education and NSU more generally are apparent. If I can be of any more help in this matter please do not hesitate to contact me.

Sincerely,

Dr. Michael K. Cundall Jr.  
Assistant Director, Louisiana Scholars' College  
Assistant Professor of Philosophy



**College of Arts, Letters, Graduate Studies and Research**

Office of the Dean

Telephone (318) 357-4330  
FAX (318) 357-4255

Northwestern State University  
Natchitoches, Louisiana 71497

A Member of the University  
of Louisiana System

The Graduate School  
(318) 357-5851

Louisiana  
Scholars' College  
(318) 357-4577

School of Creative  
and Performing Arts  
(318) 357-4522

Department of  
Criminal Justice,  
History and  
Social Sciences  
(318) 357-6967

Department of  
Social Work  
(318) 357-5493

Department of  
Language and  
Communication  
(318) 357-6272

Department of  
Psychology  
(318) 357-6594

October 23, 2010

Student Technology Grant Committee  
Northwestern State University  
Natchitoches, LA 71497

TO WHOM IT MAY CONCERN:

Please accept this letter of support for Dr. Betsy Cochran's application for funds to purchase additional workstations, a digital projector, and design software for the science lab in 139 Kyser.

This lab has limited capacity to project instructional materials, which in ecology includes photographs, satellite images, and maps, in addition to the typical videos, DVDs, and Powerpoint presentations. The additional workstations will allow students to work in smaller groups and be more engaged and productive.

The most exciting part of this proposal is the enhancement of students' ability to produce professional conference posters and interpretive materials for their outreach project, the Gresham Bird Trail. The posters and brochures they produce will be displayed on campus and thus provide further informal education to the entire student body and to our visitors.

Best wishes for a successful grant review. This is an excellent application.

Sincerely,

A handwritten signature in black ink that reads "Steven G. Horton".

Steven G. Horton, Ph.D.  
Vice Provost and Dean  
Professor of Education